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CONTENTS

- 06** Coming to Light
The many benefits of working and living in Colorado.
- 12** Executive Decision
Bioscience leaders expound on the value of Colorado.
- 16** On the Razor's Edge
Precision medicine unlocks potential with a personal touch.
- 22** Boettcher Program Helps Advance Early Investigators' Research
- 24** Finding the Needle in the Haystack
Colorado leads the nation in developing Big Data for the advancement of health.
- 28** Colorado's Clinical Assets
- 30** Colorado by the Numbers
- 34** Grant Programs: Innovation Engines

Bioscience Industry Directory
PAGE 40





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A photograph of the Denver skyline at sunset. The sun is low on the horizon, creating a bright lens flare and casting a golden glow over the city. In the foreground, there are lush green trees and a colorful water park slide. The sky is a mix of orange, yellow, and blue.

COMING TO LIGHT

300 days of sunshine each year and a favorable business climate are among the many benefits of working and living in Colorado.

WRITTEN BY JANE PALMER

BETWEEN 2011 AND 2016, THE NUMBER OF JOBS IN THE MEDICAL DEVICES AND diagnostics industry in Colorado grew by 10 percent, compared with the national average of 1.8 percent. Within the last year, employment in the state's pharmaceuticals and biotechnology industry has also increased by 3.2 percent. Add to those encouraging statistics the fact that Colorado has become a hub for major innovation in digital health, and is now home to 130 digital health companies, and it becomes clear that the life science industry in the state is booming.

What is it about Colorado that inspires CEOs to start their companies in the state and others to relocate and put down new roots?

For Lyndsey Linke, founder and CEO of SiVEC Biotechnologies— a company developing a revolutionary antiviral technology to protect the poultry industry against avian influenza virus —the answers to that question are numerous: the many funding opportunities, support from incubators



The Colorado BioScience Association worked to build partnerships between the Governor's Office of Economic Development and Children's Hospital Colorado, UCHealth and CU Innovations on the Anschutz Medical Campus to court StartUp Health, which launched its second regional affiliate in Colorado.

and accelerators, access to world-class academic resources, entrepreneurial spirit and the opportunity to balance work with play were all taken into consideration. "There are so many opportunities for biotech companies to develop technologies from concept to commercialization without having to leave the state," Linke says. "All these activities in our own backyard help with your overall sense of well-being and just keep you vibrant and wanting to push forward in your work."

Today, Colorado is home to more than 720 bioscience companies, which employ 30,000 people in the bioscience industry, creating more than 159,000 direct and indirect jobs. This thriving industry has traditionally included medical device, diagnostics, pharmaceuticals, ag-bio

There are so many opportunities for biotech companies to develop technologies from concept to commercialization without having to leave the state. And then, all these activities in our own backyard help with your overall sense of well-being and just keep you vibrant and wanting to push forward in your work.

- LYNDSEY LINKE, FOUNDER AND CEO OF SIVEC BIOTECHNOLOGIES

and biotechnology companies. Recently, these sectors have been joined by Colorado's emerging digital health industry. Borne from the collaboration between healthcare and software innovators, Colorado is recognized as a national leader in this sector.

In anticipation of the growing digital health presence, the Colorado BioScience Association worked to build partnerships between the

Governor's Office of Economic Development and Children's Hospital Colorado, UCHealth and CU Innovations on the Anschutz Medical Campus to court StartUp Health, a five-year-old company working to transform healthcare by investing in entrepreneurs who are passionate about revitalizing the future of the industry. In October of 2016, StartUp Health launched its second regional affiliate in Colorado.

"We launched StartUp Health Colorado specifically because we see all the magic ingredients in place to create a robust ecosystem for digital health companies," says Unity Stoakes, cofounder and president of StartUp Health. "It is just really an extraordinary environment for a lot of reasons."

StartUp Health will work with these partners to launch many healthcare-focused startup companies in the area. "All of these organizations are coming together to really create pathways to validate and commercialize new innovations," Stoakes says. "And that is very attractive to digital health, to bioscience

companies and to companies that are trying to develop solutions in healthcare."

The presence of highly-regarded universities and research institutions also creates a strong draw for new and expanding life science companies in Colorado. A 578-acre campus in Aurora, which includes the University of Colorado Anschutz Medical Campus and the Fitzsimons Innovation Campus, encompasses more than six million square feet of corporate and bioresearch facility

space for companies and firms focusing on science and technology.

"There's nothing we can't do in life sciences on this campus," Steve VanNurden, president and CEO of Fitzsimons Redevelopment Authority says. "A researcher can make a discovery in the university lab, walk across the street to start a company, gain a wealth of knowledge from the other CEOs within the 65-plus companies here and even build their own building as they grow."

The life science companies on the campus are strategically placed to interact with researchers, graduate schools and three hospital systems: UCHealth, Children's Hospital Colorado and the VA Hospital.

"With four highly-regarded research universities and 10 higher education institutions with bioscience programs, Colorado is churning out a well-educated, highly skilled workforce," says Laura Brandt, director of economic development at the Metro Denver Economic Development Corporation.

The opportunity to recruit technical and scientific talent has proved a major plus for companies like SomaLogic, which is developing a health information insight platform based on protein measurement that will help people manage their personal health and wellbeing. The Boulder-based company has grown in the last few years to occupy three buildings and currently employs 200 people. "We attract many of the best undergrads from CU and CSU," says Larry Gold, SomaLogic's founder and chairman (and former CEO). "We offer more than just a great job in a great location: We offer the chance to work on stuff that is going to change the world."

In Colorado, CEOs also remarked that retaining trained employees is rarely a problem. Colorado

is well known for its quality of life with easy access to skiing, hiking, biking and a multitude of other activities accompanied by a near-perfect climate. *U.S. News & World Report* also highlighted Denver as the best place to live in the country in 2016.

The combination of these factors translates to Denver attracting the younger generation in droves. This age group values building something of impact with their career, not just the size of their paycheck, says health-tech entrepreneur Mike Biselli. "When you think about how digital health and health tech innovation can impact lives and lay that on top of this millennial generation that's coming here, it's a perfect storm," Biselli says.

Biselli chose Denver as the location for his new health-tech industry integration project, Catalyst HTI, which is slated to open in the city's River North neighborhood in 2018. The project will integrate building space for startups, Fortune 500 companies, and healthcare

providers in one location, enabling startups with resources to grow and exposing providers and larger companies to emerging technologies and human capital.

For the bioscience company Brickell Biotech, which is focused on the development of innovative and differentiated therapeutics for the treatment of skin diseases, it's also been important to be located in such a health-conscious state. "We're a healthcare company, so being in a place that promotes a healthy lifestyle is important to us," says Dr. Patricia Walker, president and chief scientific officer of Brickell Biotech.

Another factor that played heavily into the Brickell Biotech decision to locate its headquarters in Colorado is the ease of traveling to Denver from other parts of the country, or even other parts of the world. Although Brickell Biotech is based in Boulder, they have employees in Massachusetts, Texas, Washington State, and California. "Denver's central geographic location and the accessibility of Denver

International Airport make it an easy place for our remote-based employees to get in and out of," Walker says.

As well as providing and attracting a highly-skilled workforce and being home to innovative academic research institutes, Colorado also provides a solid foundation for any industry to thrive, with a competitive tax structure and affordable operating costs relative to other parts of the country. In addition, the state offers several public and private sources of business funding and the state government is highly supportive of the life sciences industry.

"The infrastructure support for bioscience and life science companies in the state is world-class," says Ben Walker, life sciences director at Innosphere, a Colorado technology incubator that accelerates the success of high-impact science and technology startups. "The support and infrastructure found in our state really bring the bioscience community together with critical business resources."



Left: Gil Peri, SVP / Chief Strategy Officer at Children's Hospital Colorado speaks at the StartUp Health launch event. Right: The launch of StartUp Health's regional affiliate in Colorado will bring entrepreneurs and investors together to revitalize the future of the industry.

Walker credits the Colorado BioScience Association, which provides training programs, helps facilitate partnerships and engages in advocacy, with contributing to the growth of the industry in the state. In addition, a network of incubators and accelerators is helping the life sciences thrive. "Innosphere and the other incubators and accelerators are really good at taking the billion technologies that are coming up in bioscience and helping these people commercialize them in a big way," Walker says.

Matt Morris, CEO and founder of VisibleHand, a digital health company that provides behavioral healthcare tracking, guidance, and compliance software for skilled nursing and memory care communities, concurs. Morris credits help from Innosphere, industry accelerator Boomtown and a generous Advanced Industries Early-Stage Capital and Retention grant from the Colorado Office of Economic Development and International Trade for helping VisibleHand thrive. Only two years old, VisibleHand is rapidly expanding its customer base throughout the United States.

Whereas similar resources and support may exist in East or West Coast innovation hubs, a notable feature of Colorado is the relatively affordable cost of living. "Even though people complain about house prices in Boulder, they are still well below places like Silicon Valley or Cambridge," SomaLogic's Gold says.

Unlike in other areas of the country, connecting with university researchers or sources of funding in Colorado is simply much easier, says Tom Base, managing director of Boomtown Health-Tech, an accelerator of early stage technology companies. Some of the ease of connecting comes down to the collaborative spirit that is pervasive throughout the state, Base says. "It's such a good place to simply get work done. People have that old western bootstrapping 'Let's all figure this out together' mentality."

Linke believes that it is such support and collaboration that has helped SiVEC thrive. "I can lean on so many different resources and advisors that are just ready to connect immediately and collaborate," she says. "People are so ready to drop what they are doing and help."

To create new therapies, new medications and reform the current healthcare system, collaboration between the different industry sectors will be key in the coming years, Biselli says. "This problem is so enormous that we have got to solve it together, and that's our secret weapon in Colorado. This is one of the most, if not the most, collaborative state in innovation." ©



Above: a rendering of Catalyst HTI, a health-tech industry integration project, slated to open in Denver's River North neighborhood in 2018.

THE COLORADO ADVANCED INDUSTRY ACCELERATOR GRANT PROGRAM

SINCE INCEPTION

333

grants to bioscience companies totaling more than \$45M

56

new companies

587

direct jobs

\$530M

in follow-on grants and investments

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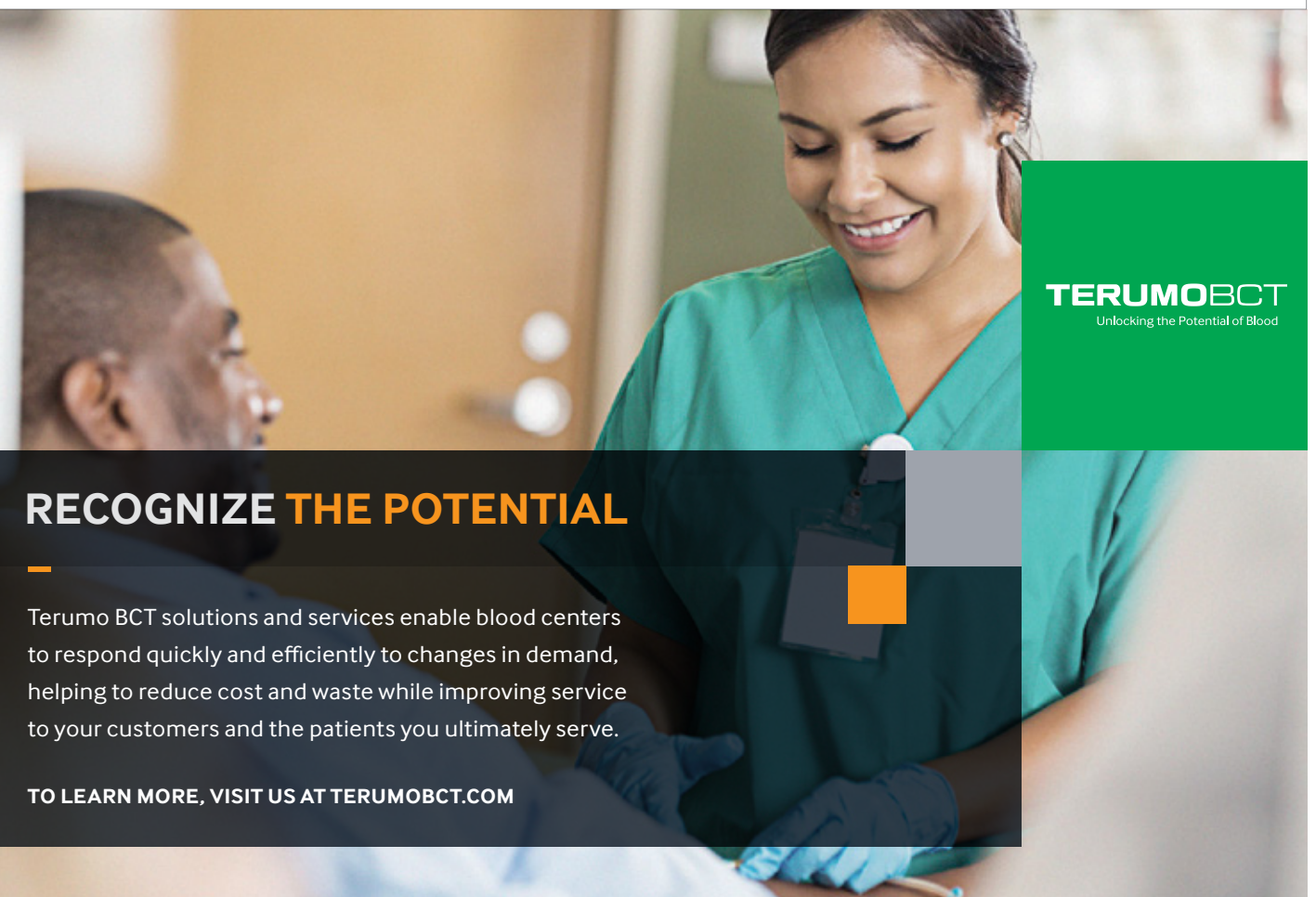
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EXECUTIVE DECISION

Bioscience leaders expound on the value of Colorado.

WRITTEN BY TOM BORAK

WORD IS SPREADING ABOUT THE INCREDIBLY FERTILE business environment that Colorado offers. At the center of this conversation, a burgeoning life science industry has emerged to challenge the coastal hotbeds that have long claimed credit for driving the future of medicine.

Colorado now boasts the sixth-largest medical device sector in the United States, including companies like Surefire Medical and Bio2 Medical. Recent investments from international powerhouses like Agilent Technologies and AstraZeneca have joined smaller companies like Brickell Biotech and local mainstays like Silvergate Pharmaceuticals to spur renewed faith in the pharmaceutical side as well. The growth of this cluster is enhanced even further by the emergence of a strong digital health sector, which has the potential to revolutionize the way we integrate medical discoveries with informed patient and provider relationships, creating a new channel for the advancement of precision medicine and the utilization of big data.

Despite this incredible, organic growth, many still wonder, why Colorado?

“We know that how we work matters just as much as what we work on. That’s why the Denver Metro Chamber Leadership Foundation looked to identify those values for doing business that set us apart,” Denver Metro Chamber of Commerce President and CEO Kelly Brough says. “What they found after talking to hundreds of business and community leaders were values of inclusivity, collaboration, shared

It is immediately apparent that access to Colorado’s rich talent pool was a strong draw for everyone around the table.

vision, leadership and responsibility. These are the values that make up what we call Colorado’s Civic DNA™. These values reflect who we are and how we aspire to lead, so when

people ask, ‘Why Colorado?’ it’s because we’re committed to living these values every day.”

Perhaps the best people to answer this question, however, are the ones who have built their companies here, relocated to our state from elsewhere in the country or reallocated assets to expand their domestic footprint in our backyard.

We gathered seven executives from across the industry spectrum to talk about the value that Colorado brings to their institutions, how the state has transitioned into a full-time home base for those who would have previously sought to hang their hats elsewhere, and how this civic DNA has influenced company expansions and relocations alike.

The group is meeting in Denver, appropriately, at the Denver Metro Chamber of Commerce and Metro Denver Economic Development Corporation. True to the nature of Denver’s laid-back professional atmosphere, the attire is a mix of suits and ties, business casual slacks, button-down shirts

We gathered seven executives from across the industry spectrum to talk about the value that Colorado brings to their institutions.

Christopher Banas
CEO of Bio2 Medical
The company relocated from Texas to Golden, Colo., where it has recently received FDA approval for its Angel Catheter device.



Chris McDonald
Vice President of Operations at AstraZeneca’s Longmont facility. AstraZeneca acquired Amgen’s former 300,000 square foot manufacturing facility in Boulder, and the 692,000 square-foot facility in Longmont, where it will manufacture products from its biologics line.



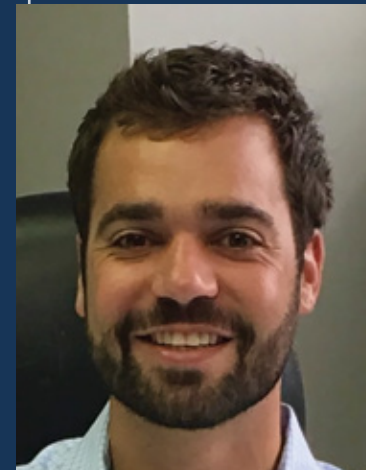
Joe Guiles, Ph.D.
Director of Development at Agilent Technology’s facility in Boulder. Agilent recently purchased 20 acres in Weld County, where it plans to expand its capabilities and will build a new 130,000-square-foot manufacturing facility, adding 150 to 200 new jobs.



Frank Segrave
President and CEO of Silvergate Pharmaceuticals
A long-time Colorado resident, Silvergate has received three FDA approvals in the past year with more in the pipeline.



Andy Sklawer
COO and co-founder of Brickell Biotech, Inc.
The clinical-stage, dermatology-focused pharmaceutical company relocated its headquarters from Miami to Boulder – a central location with easy access for its remote team.



Mehmet Kazgan
CEO and co-founder of Cliexa
The digital health start-up is working with major healthcare systems to help patients and physicians connect in real time.



Jim Chomas
CEO of Surefire Medical
Surefire recently received FDA approval of its Surefire Precision Infusion System, which provides a delivery system for targeted cancer therapy.





TOP 5 REASONS TO WORK IN COLORADO

1

SENSE OF COMMUNITY

2

TALENTED WORKFORCE

3

GROWING ECONOMY

4

TAX INCENTIVES

5

GRANT AWARDS

and jeans. There is no pretense here – every one of these representatives has the respect of the others in the room. After introductions and handshakes, the group dives in to discuss their reasons for setting up shop in the Centennial State.

“Agilent Technologies invested in Colorado 10 years ago and purchased a small, early-stage clinical manufacturing facility and just this year announced our major expansion,” Joe Guiles, director of development at Agilent’s Boulder facility says. “We chose to expand here in large part due to the density of talent that we believe can bring our technology forward.”

Chris McDonald, vice president of operations at AstraZeneca’s Longmont facility agrees. “AstraZeneca needed more capacity as a company manufacturing biologics,” he says. “I think the infrastructure that Colorado had to offer played a key role, not only from a facilities perspective, but also from a talent perspective. There is a lot of biotech manufacturing talent in Colorado, and being able to draw upon that talent really provided a strategic advantage in allowing us to move quickly in developing our manufacturing capacity.”

It is immediately apparent that access to Colorado’s rich talent pool was a strong draw for everyone around the table – not only regarding existing professionals with industry experience, but also the talent graduating from the bioscience programs in the state.

“We wanted to move to Colorado because of the talent coming out of Colorado School of Mines, CU Boulder and the Anschutz Medical Center,” Christopher Banas, CEO of Bio2 Medical says,

In North Carolina, your friend might ask you to go grab wings and a beer, but in Colorado that friend will ask you to climb a mountain and then grab wings and a beer!

– CHRIS MCDONALD

“but the other element that really contributed to our decision is the dedication of this workforce. They went to school in Colorado and have made the decision to make their careers here.”

“Much of the future talent in bioengineering, biochemistry, biomaterials and clinical affairs begins in the leading educational institutions,” Jim Chomas, CEO of Surefire Medical adds. “[The universities] also provide invaluable clinical relationships with their leading physicians and facilities, including animal testing that new products undergo, participation in clinical trials and feedback on needed improvements in products still undergoing development.”

Mehmet Kazgan, CEO and co-founder of Cliexa concludes, “The schools are actually the number one thing for [Cliexa] because of the talent and diversity. Students come from different states to be in Colorado because they want to ski or experience the outdoors. That attracts a lot of people – with lots of energy! They have a lot of great ideas.”

As Kazgan alludes to, Colorado offers significant advantages when it comes to recruiting top talent. With more than 300 days of sunshine each year and a Rocky Mountain backdrop begging to be explored, Colorado offers a veritable wonderland for outdoor enthusiasts and gives credence to the “work hard, play hard” motto of the state. Many college students who study here, as well as those who move to the state looking for work, consider it to be a terminal location and plan on becoming permanent residents.

“Colorado has an unsurpassed quality of life,” Frank Segrave, CEO of Silvergate Pharmaceuticals boasts. “Clearly it’s where I want to live!”

McDonald nods in agreement. “It’s kind of a special place,” he says, “to me, the strength of Colorado is the fantastic quality of life. I think that shows in the culture of the people you’re working with. In North Carolina, (where McDonald is from) your friend might ask you to go grab some wings and a beer, but in Colorado that friend will ask you to climb a mountain or go skiing and then grab some wings and a beer!”

Andy Sklawer’s eyes light up at the mention of culture. “A big element for building a company, in my mind, is culture,” the COO and co-founder of Brickell Biotech says. “Colorado is a condu-

cive place for not having the ‘nine-to-five’ mentality. It’s really forward-thinking and I do think it’s a draw.”

“It definitely hits all the checkboxes,” Banas concludes. “When I recruit professionals in Colorado, they are highly educated. They want to raise a family in this state where the school systems are good. They find a sense of community, as well as intellectual stimulation, and the best in recreational opportunities – it’s all here.”

Of course, beyond the allure of the Colorado lifestyle, the bottom line for any company is business. A central geographic location, economic incentives from the state and local municipalities

and a collaborative mindset are strong pillars for Colorado’s economy, ranked as one of the top places in the country to start a business.

“Colorado definitely has a favorable business climate,” Segrave says. “It’s got a vibrant and growing local economy, companies are willing to help one another and the tax climate is an advantage.”

Both Guiles and McDonald nod in agreement at Segrave’s mention of the tax incentives offered by the state.

“If you’re looking at a site selection that’s going to create a lot of jobs, it becomes a very competitive process,” McDonald says. “Companies are looking for ways to reduce their overall investment, so the tax incentives were one aspect that helped make AstraZeneca’s choice of Colorado much easier.”

“It was between Texas and Colorado for us,” Guiles reveals. “Colorado was able to be competitive on the tax incentive side to the point where we realized that the talent expenditure to build our workforce in Texas was not going to be made up for by their tax incentive. Colorado is definitely serious about growth in the state. It was very helpful. It was also Weld County,” he adds, “which worked with us very constructively, and the town of Frederick (where Agilent’s new facility will be built).”

Sklawer takes a different track and offers a unique perspective on an oft-overlooked aspect of Colorado’s business appeal: Brickell Biotech considers itself to be a “semi-virtual company,” so while its physical headquarters is in Boulder, the company has employees located across the country. “We now have a central hub for our company,” he says. “Members of our team are here almost every other week, whereas in Miami, it became exceedingly challenging to have the team, particularly those individuals on the West Coast, all in one place. By having this central hub, we can recruit both locally and across the U.S. and it’s easy for us to conduct frequent domestic and international business travel.”

Following Sklawer’s lead, Banas shares another insight: “I think Colorado has an advantage over a lot of other places because you have companies that aren’t necessarily in the healthcare business, but they’re in the semi-conductor business, so they know how to build clean rooms. I’ve seen a lot of other geographical areas that don’t have that and it is a challenge.”

Another notable highlight for the smaller companies is the Advanced Industries Accelerator Grant Program – a matching grant program awarded by the state with \$5.5 million dedicated to bioscience annually.

“It’s really great what’s being done with the grant program,” Kazgan says. “It’s an excellent initiative for companies to get started.”

Chomas agrees. “[Surefire has] not only been funded by the AI Grant Program, but we recently received an important grant from the state of Colorado for an early clinical trial in the developing field of immunotherapy, set to begin this summer at the University of Colorado Denver on the Anschutz Medical Campus.”

It is abundantly clear from this conversation that the pieces are aligning for Colorado to ascend into the top tier of heavy hitters in the bioscience industry. From our highly-educated workforce, to an unparalleled quality of life and state tax incentives and grant programs, Colorado is living up to its billing as having the third-best economic climate in the country. The state’s civic DNA has created a steady direction and shared vision for the future.

As Kazgan notes, “People here come from different countries and cultures, but the community is so open-minded and inclusive. It doesn’t matter where you’re coming from – which state or country – you just become a part of the community really fast.”

Frank Segrave summed it up best when asked what advice he would give to a CEO or entrepreneur who is considering starting or relocating a business to the state: “Do it now,” he says. “It’s the best decision you will ever make.”



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On the Razor's Edge

WRITTEN BY TODD NEFF

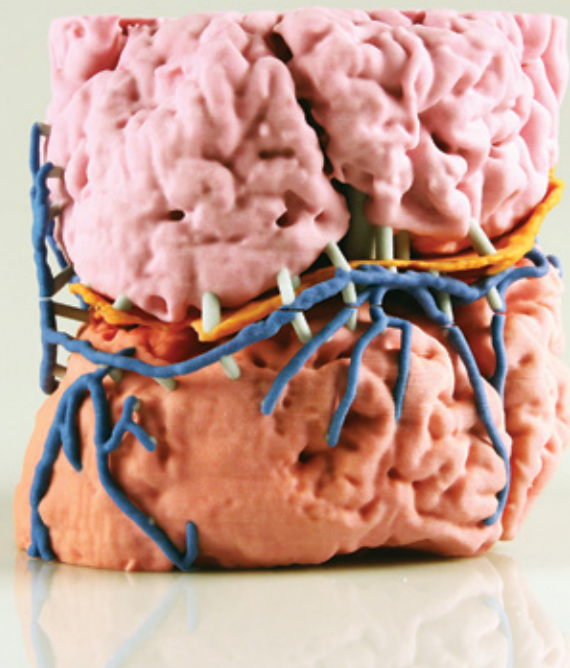
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with a personal touch.*

PRECISION MEDICINE OFTEN HAPPENS INVISIBLY, in the nuclei of cells, in the dances of proteins, in the bowels of sequencers, in the processing cores of computer servers. There's no better place to see it and even touch it than at 3D Systems' gleaming new Healthcare Technology Center in Littleton.

Just a few steps away from the world's first commercial 3D printer (circa 1987, it was invented by 3D Systems co-founder and Colorado native Chuck Hull), an employee sits before big double monitors. She sifts through digital CT-scan slices of a patient's skull, erasing artifacts with each click. Behind her, a colleague digitally manipulates a complex latticework destined to support the severely-broken leg depicted ghostlike inside it. Another works on a 3D rendering of a patient's jaw. Using a thick pen attached to a small

bot – a Geomagic TouchX Haptic device, which another 3D Systems division makes – he designs a guide that will slide perfectly over that particular jaw and no other, enabling a maxillofacial surgeon to cut with absolute confidence and exactitude.

Around the corner behind wall-to-ceiling plate glass, an industrial 3D printer flashes laser light onto the surface of a milky polymer. In layers a tenth of a millimeter thick, it realizes in three dimensions designs born on those and many other screens. It's one of 50 such machines here, different ones being capable of sculpting (technically “additive manufacturing”) in metal, epoxy, gypsum or nylon, depending on the need.



Left: VSP® Cranial by 3D Systems allows surgeons to virtually plan complex surgeries in advance, resulting in patient-specific surgical guides for use in the operating room. Right: Printed on 3D Systems' ProJet 660 using CJP (ColorJet Printing) technology, these full color anatomical models of conjoined twins' brains provide surgeons with the opportunity to study the anatomy in advance.

The 3D printers produce everything from patient-specific titanium dental and orthopedic implants to multicolor models for pre-surgical planning. Among many recent successes was a model surgeons used to prep for the separation of conjoined twins. In the shared plastic cranium, blood vessels connect in bright-red embrace where either tiny skull would normally seek closure. Combine that with digital planning tools and live review sessions led by 3D Systems' "anatomical modeling team" and you have what Katie Weimer, vice president of medical devices for 3D Systems Healthcare, calls "a game changer."

"By the time surgeons get to the OR, they've effectively done the case once or twice already," she said.

3D Systems may be doing the most visually-striking precision medicine work here or anywhere else, but it's far from alone in advancing what's widely considered to be the future of medicine. The 21st Century Cures act, championed by Colorado's own Rep. Diana DeGette, which President Obama signed in December 2016, dedicates \$1.4 billion over 10 years to the Precision Medicine Initiative and another \$3.4 billion to two programs – the Cancer Moonshot and the BRAIN initiative – in which precision medicine figures in.

Companies up and down the Front Range are hard at work developing diagnostics, therapies and healthcare delivery systems to incorporate unique patient traits into tailored care plans. The ultimate goal is to use a spectrum of

patient-specific details – ranging from patient's genes and proteins to demographics, habits and more – to make better healthcare decisions.

Cancer has been a major precision medicine focus, one represented in Colorado by the likes of Array Biopharma and Clovis Oncology, both of Boulder. The idea is to identify patients whose cancer cells have particular mutations and give

The ultimate goal is to use a spectrum of patient-specific details – ranging from patients' genes and proteins to demographics, habits and more – to make better health care decisions.

them therapies that take advantage of the tumor vulnerabilities those mutations introduce. Clovis's Rubraca (rucaparib) is a good example of the idea in action.

Approximately 25 percent of ovarian cancers have BRCA mutations. Rubraca blocks an enzyme those cancer cells need. Clovis worked with a partner to develop a diagnostic test for BRCA mutations in patients with advanced ovarian cancer and led a clinical trial that showed Rubraca to shrink tumors in patients with BRCA mutations. In December 2016, the U.S. Food and Drug Administration granted Rubraca accelerated approval.

"Today's approval is another example of the trend we are seeing in developing targeted agents to treat cancers caused by specific mutations in a patient's genes," said Richard Pazdur, MD, acting director of the FDA's Oncology Center of Excellence, in a statement.

Clovis suspects Rubraca may also work on solid tumors in breast, pancreatic, gastroesophageal, bladder and lung cancers, all of which are being researched, says Lindsey Rolfe, BSc, MB ChB, MRCP, FFPM, Clovis's chief medical officer. Clovis is already doing trials focusing on broader sets of ovarian cancer patients, as well as on prostate cancer patients with BRCA mutations, she said.

"What's so exciting is the potential of the molecule. The ovarian indication is just the start," Rolfe says. "It is a really fulfilling experience to be part of a team that's moving forward to realize that potential for cancer patients."

ARCA biopharma, based in Westminster, is using precision medicine to take aim at a cardiovascular problem. Its drug candidate, Gencaro (bucindolol hydrochloride), targets atrial fibrillation among heart failure patients with a specific cardiac adrenergic receptor genotype, present in about half the U.S. population. In ARCA's case, precision medicine gave Gencaro new life.

In 2009, the FDA requested further genotype specific data for Gencaro to accompany data from a large Phase 3 trial among 2,708 heart failure patients. ARCA had gathered genetic details about some of the trial participants and found that, among those with a particular

SomaLogic biologist Yentl Heiens processes samples for the SOMAscan assay at the company's lab in Boulder.

cardiac adrenergic receptor genotype, Gencaro made a difference, says Derek Cole, ARCA's head of investor relations. It was compelling enough to merit a second, more targeted trial – GENETIC-AF, which is currently enrolling patients in the U.S., Canada and Europe. Like Clovis, ARCA has worked with a partner to develop an accompanying genetic test. If all goes well, Gencaro would be the first genetically-targeted atrial fibrillation treatment as well as the first genetically-targeted cardiovascular therapeutic, Cole says.

"That's the whole concept of precision medicine – improving outcomes, saving time and saving money for physicians and the healthcare system by identifying areas where patients are going to get a response and avoiding treatments where they're not," he adds.

Other Colorado companies are focused on enabling precision medicine: Biodesix, Muse Biotechnology and SomaLogic, all based in Boulder, are good examples. Biodesix focuses on diagnostics that use blood-based testing, or "liquid biopsies," rather than traditional tissue biopsies, to help doctors evaluate and treat non-small cell lung cancer based on both specific gene mutations and the proteins those genes produce. The company is expanding into tests that will assess what sorts of patients are most likely to respond to cancer immunotherapy.

"Applying the principles of deep learning and machine learning to help us interpret biological data sets has been a major factor in our

success in precision medicine," says David Brunel, CEO of Biodesix. "Our Diagnostic Cortex platform enables us to take the complex information in the human proteome and utilize it to create actionable diagnostics tests. We are using proteomics to assess the many complex processes that characterize cancer and the body's immune response, enabling us to better guide therapy, and it's ultimately made possible by artificial intelligence."

Muse harnesses CRISPR gene editing to generate specific, trackable mutations in cells that biotech researchers can then test therapies on. SomaLogic is looking beyond genes entirely.

Think of genes as a cookbook with recipes for every biological function. While muscle cells, skin cells and brain cells all carry the same DNA, they cook very different dishes. DNA can drive diseases such as cystic fibrosis or Tay Sachs, but people with mutations in these very genes can surprisingly be healthy, says Fintan Steele, PhD, SomaLogic's chief communications officer.

"Genes aren't destiny," he says.

The proteins that genes actually encode are the real-time markers for life. SomaLogic spent a decade and about \$250 million to develop a technology that can measure thousands of proteins in small amounts of biological samples. Being able to do this for individuals over time, he says, will "transform how we diagnose and make treatment and even lifestyle decisions."

"If you can really see meaningful changes in someone's proteome, you can say things like, 'You're on your way to a heart attack' or 'You may have a tumor starting' or 'You have an early stage of this or that disease,' or 'You need to change this part of your diet or fitness regime,'" Steele says.

The applications of SomaLogic's technology are just gearing up, he adds, with many drug company and academic partners working to connect protein changes with health states.

"Our goal is to bring precision medicine into the 21st century," Steele says. "This is the main tool for really personalizing healthcare and medicine at the precise level of molecular changes."

Proteins and genes are only part of what it will take to make precision medicine available to masses of patients. That's a big focus for the Center for Biomedical Informatics and Personalized Medicine, which launched in 2014, with a \$80+ million investment from the University of Colorado School of Medicine, the UHealth system, Children's Hospital Colorado and University Physicians.



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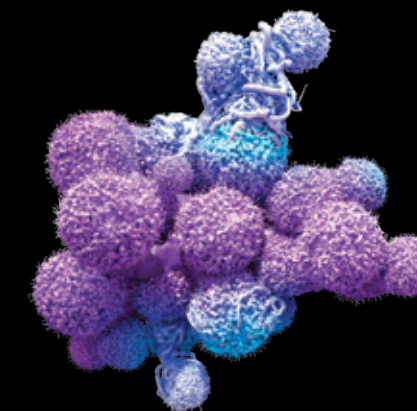


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If you can really see meaningful changes in someone's proteome, you can say things like, 'You're on your way to a heart attack' or 'You may have a tumor starting' or 'You have an early stage of this or that disease'.

- FINTAN STEELE, PHD, CHIEF COMMUNICATIONS OFFICER, SOMALOGIC

The Center is focused on two main areas, according to Matthew Taylor, MD, PhD, director of Adult Clinical Genetics at the CU School of Medicine. First, it is collecting several hundred thousand patient samples into a biorepository with a goal of perhaps a million samples. Medical researchers suspecting a link between health outcomes and particular protein expressions, genetic mutations or zip codes will be able to query the data. Second, the center is building a database capable of storing not only genomic, proteomic and other data, but also information on population geography, occupations, environmental exposures, personal habits and exercise practices, among others. The power of precision

medicine will ultimately depend on the health-care system's ability to harness a diversity of inputs to really understand what might work best for a given patient, Taylor says.


Smarter clinical support systems will be indispensable. For example, an electronic medical record might take into account such factors as how long someone has smoked, and their genetic and proteomic predisposition for lung cancer to develop, in calculating a smoker's actual risk, Taylor says.

In September 2016, Dignity Health and Catholic Health Initiative launched a Colorado-based joint venture with a similar vision. Precision

Medicine Alliance, based in Englewood, aims to bring the benefits of precision medicine to roughly 12 million patients in 150 hospitals around the country. It's a lot less about the TED-talk world of medical miracles than about navigating the intricacies of healthcare finance and delivery, says Damon Hostin, the Precision Medicine Alliance's CEO.

"This has to be an industrial solution," Hostin says. "It has to work in actual healthcare finance."

Hostin's focus is on developing an IT infrastructure not unlike the one the Center for Bioinformatics and Personalized Medicine is working on. In the Precision Medicine Alliance's case, the goal is to enable precision medicine at all sorts of hospitals, including ones far from academic medical centers where precision medicine has been focused so far.

"About 85 percent of cancer cases present in their communities," he says. "Your chances of survival shouldn't depend on your zip code. There's a facet of this that's about the human dignity of access." 



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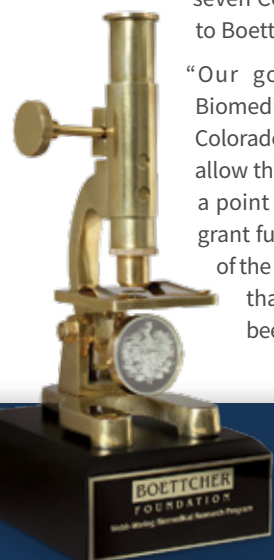
BOETTCHER FOUNDATION HELPS ADVANCE EARLY INVESTIGATORS' RESEARCH

THE BOETTCHER FOUNDATION LAUNCHED its Webb-Waring Biomedical Research Awards with the goal of helping early-career investigators advance their research to a point where they would qualify for their first major federal grants.

Since the first class was selected in 2010, recipients, known as Boettcher Investigators, have gone on to receive major funding from a variety of federal sources, including the National Institutes of Health (NIH) and U.S. Department of Defense. Now, a new form of funding from the NIH is giving both the Boettcher Foundation and its investigators another reason to celebrate.

Maximizing Investigators' Research Awards – or MIRA grants – are a new form of funding designed to allow researchers to take bigger risks and explore new ideas that may not have qualified for funding before.

The first round of MIRA grants were awarded in the fall of 2016 as part of a pilot program. Colorado researchers snagged seven of the awards, ranking the state fourth for the total number of MIRA grants received, just behind California, New York and Pennsylvania. Of the seven Colorado MIRA grants, five went to Boettcher Investigators.



“Our goal with the Webb-Waring Biomedical Research Awards is to keep Colorado’s top scientists in the state and allow them to develop their research to a point where they will bring in major grant funding,” said Katie Kramer, CEO of the Boettcher Foundation. “The fact that Boettcher Investigators have been so successful in securing MIRA

grants is an incredible validation of our selection process and of our funding model.”

MIRA grants, which are awarded by the National Institute of General Medical Sciences, differ from traditional NIH funding, which tends to fund more specific and well-developed research. An investigator is typically expected to have a very specific hypothesis, whereas MIRA is intended to fund more innovative projects that contribute to the general understanding of science rather than proving a specific outcome.

Our goal with the Webb-Waring Biomedical Research Awards is to keep Colorado’s top scientists in the state and allow them to develop their research...

– KATIE KRAMER

“People were making their applications extremely safe,” said Lucas Argueso, a 2013 Boettcher Investigator and an associate professor in the Department of Environmental and Radiological Health Sciences in the College of Veterinary Medicine and Biomedical Sciences at Colorado State University. “Scientists were becoming too conservative. It’s hard to predict which science is going to give you breakthroughs.”

Argueso was awarded MIRA funding for his research, which examines a form of genetic change known as copy number mutation. In addition to Argueso, CSU Boettcher Investigators Tai Montgomery, an assistant professor in the Department of Biology, and Tim Stasevich,

an assistant professor in the Department of Biochemistry and Molecular Biology, also received MIRA funds.

At the University of Colorado, Boettcher Investigators Loren Hough and Aaron Johnson were also MIRA recipients. Hough is an assistant professor of physics and Johnson is an assistant professor in the Department of Integrative Biology.

Hough is researching how a protein tail on microtubules might control different features of a cell.

“This research is, in all regards, very different,” Hough said, adding that receiving a Webb-Waring Award from the Boettcher Foundation gave him the confidence to continue pursuing new directions in his research. “It’s a risk to take on something new, especially as a professor,” he noted.

Lee Niswander, a professor and section head for developmental biology at CU, who serves on the CU selection committee for the Boettcher Foundation’s Webb-Waring Awards and MIRA are a natural combination.

“What’s so lovely about the Boettcher Foundation funding is they really do value original and creative thinking,” she said.

By helping to propel the research of Colorado’s top early career scientists, the Boettcher Foundation is helping the state of Colorado become a leader among scientific innovators and to support out-of-the-box-thinking among Colorado’s researchers.

For more information on the Boettcher Foundation’s Webb-Waring Biomedical Research Awards, visit boettcherfoundation.org/webb-waring-biomedical-research/.

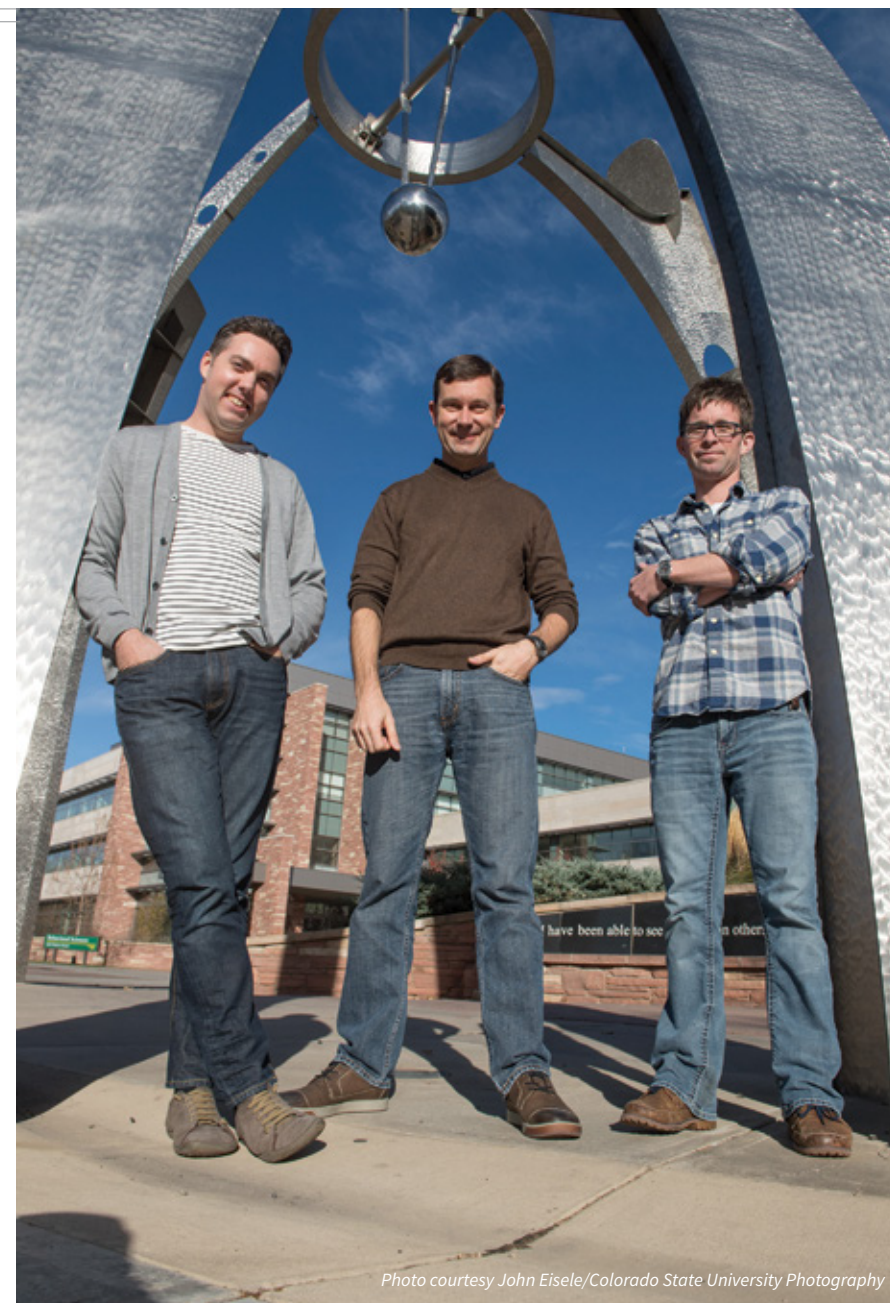


Photo courtesy John Eisele/Colorado State University Photography



Photo courtesy John Eisele/Colorado State University Photography

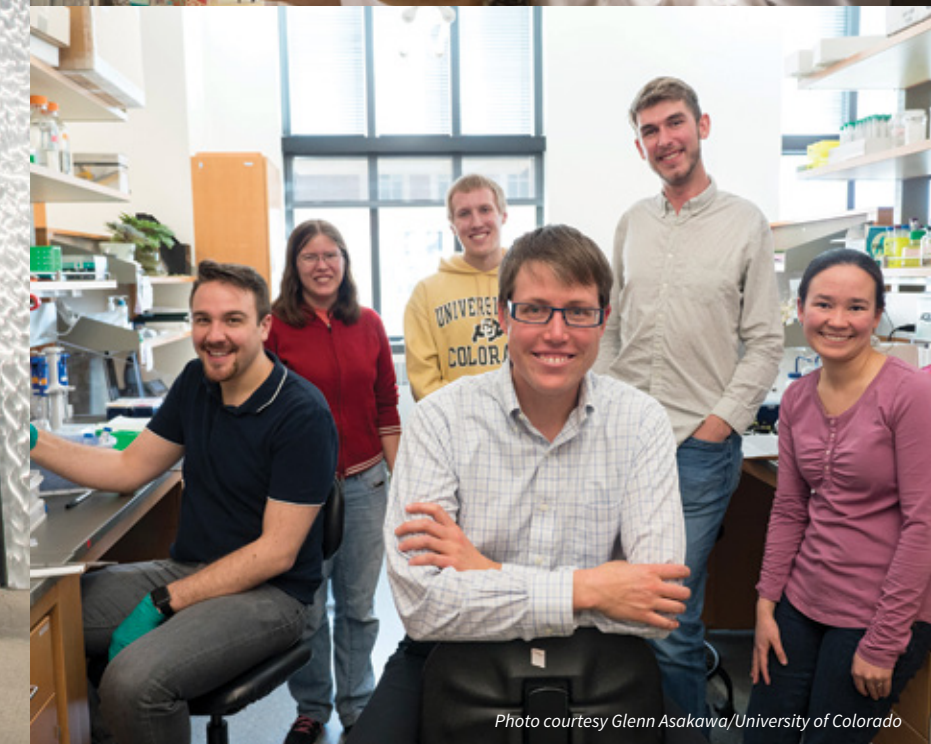
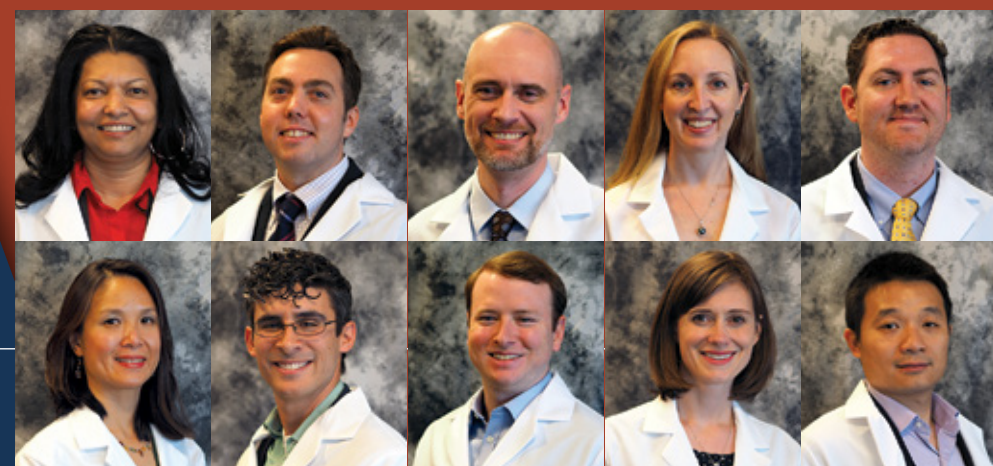


Photo courtesy Glenn Asakawa/University of Colorado

2016 CLASS OF BOETTCHER INVESTIGATORS



COLORADO STATE UNIVERSITY
Rushika Perera, Ph.D., Assistant Professor of RNA Virology. *Exploiting vulnerabilities in mosquito metabolism for prevention of human arboviral transmission.*
Timothy J. Stasevich, Ph.D., Assistant Professor of Biochemistry and Molecular Biology. *Imaging cancer epigenetics in living cells.*
NATIONAL JEWISH HEALTH
James L. Crooks, Ph.D., Assistant Professor of Biostatistics and Bioinformatics. *Wildfire smoke and pediatric asthma.*
UNIVERSITY OF COLORADO BOULDER
Sabrina Spencer, Ph.D., Assistant Professor of Chemistry and Biochemistry. *Elucidating the causes and consequences of slow-cycling cells within isogenic population.*
UNIVERSITY OF DENVER
Schuyler van Engelenburg, Ph.D., Assistant Professor of Natural Sciences and Mathematics, Department of Biological Sciences. *Site-specific targeting of engineered retroviruses to the Interleukin 2 Receptor locus for correction of genetic immunodeficiency.*

UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS
Wen-Yuan Elena Hsieh, M.D., Assistant Professor of Immunology & Microbiology and Assistant Professor of Pediatrics, Division of Allergy and Immunology. *Immune dysregulation in pediatric SLE pathogenesis.*
Ethan G. Hughes, Ph.D., Assistant Professor of Cell and Developmental Biology. *Intrinsic and extrinsic mechanisms regulating cortical remyelination.*
Bernard L. Jones, Ph.D., Assistant Professor of Medical Physics. *Achieving safe and effective dose escalation in pancreatic SBRT through tumor tracking and robust treatment planning.*
Cristin Welle, Ph.D., Assistant Professor of Neurosurgery and Bioengineering. *Development of high-density neural sensors for bioelectronics therapeutics.*
Hongjin Zheng, Ph.D., Assistant Professor of Biochemistry and Molecular Genetics. *Mechanical studies of disease-related substrates entering mitochondria via protein import machinery TOM-TIM.*

Finding the Needle in the Haystack

Colorado leads the nation in developing Big Data for the advancement of health

WRITTEN BY JEANNE McADARA, PHD

IT IS ESTIMATED THAT A SINGLE HUMAN BEING HAS THE potential to generate more than 12 terabytes of personal data relevant to his or her health over the course of a lifetime. Multiplied by the billions of individuals living on the planet today, those data represent an incredibly vast, rich and virtually untapped resource with which to understand and address human health problems and to improve the human condition. The ability to combine, analyze and share structured and unstructured patient data could improve the speed and accuracy of clinical diagnoses, match prevention and treatment strategies to outcomes,

identify patients or populations at risk for specific diseases, and suggest both individual and public interventions and policies to mitigate those risks for the greater good.

While efforts to harness this resource—often referred to as “Big Data”—are arguably still in their infancy, the ever-accelerating development of advanced computational and analytical methods is beginning to provide tools capable of bridging the transition from theory to real-world practice. In the U.S., national legislative and policy initiatives aimed at improving healthcare

Left: Somalogic molecular biologist, Kan Chantranuvatana, runs a quality check on SomaLogic reagents in one of the company's Boulder labs.



quality, shifting to evidence-based delivery of care, and controlling healthcare costs are further driving efforts to capture and utilize Big Data.

Through a flurry of public and private activity and initiatives, Colorado's governing bodies, along with its public and private bioscience and healthcare sectors, have signaled their collective intention to assume a forward-looking leadership position as the nation explores this new frontier.

Jonathan Mathieu, Ph.D., is vice president of research & compliance and chief economist at the non-profit, non-partisan Center for Improved Value in Health Care (CIVHC).

“I joined CIVHC in 2012, and have seen a lot of productive change in Colorado, with various public organizations and initiatives coming together to find uses for Big Data that help to lower costs and improve population health,” says Mathieu. “There is a lot of collaboration in Colorado, and an independent, can-do spirit that fits well with the Governor's goal to make this both the healthiest state in the nation and an attractive place to locate business.”

Per Mathieu, CIVHC's origins can be traced to recommendations made in 2008, by Colorado's Blue Ribbon Commission for Health Care Reform. Among its many recommendations, the panel urged the creation of an entity to coordinate healthcare reform efforts in the state, and establish Colorado's all-payer claims database (APCD) to aggregate, analyze and report on claims data collected from health insurance plans covering the majority of insured Colorado residents.

“Health reform leaders in Colorado saw what was happening and realized that, without an entity collecting claims data, we were never going to be able to understand variation in patterns

of spending for medical services, utilization or prevalence of chronic disease,” says Mathieu. “Everyone knew there was variation, but unless you understand where and what is driving that, you don't know to dig deeper and can't really do much from a policy perspective.”

The blue-ribbon recommendations, supported by legislation passed in 2010, and regulations implemented in 2011, led to the creation of the Colorado APCD, which began collecting data in 2012. Separately, CIVHC was created within the Department of Health Care Policy and Financing and was subsequently spun out as an independent, non-profit organization to administer the APCD.

We can turn clinical data into information that informs action, allowing us to design or change community-based intervention strategies, policy-based system changes, and environmental changes, and then monitor the progress...

- ARTHUR DAVIDSON, PROJECT DIRECTOR, CHORDS

The Colorado APCD now contains claims from the 21 largest commercial payers, Medicaid and Medicare, and is actively supporting consumer decision-making, research, healthcare operations, payment, treatment and public health policy.

Mathieu acknowledges that, while powerful and useful, analysis of claims data alone has its limitations, especially when it comes to generating

measures of quality and outcomes. “We can use claims data to understand the rate at which A1C and cholesterol levels are checked, for example,” he says, “but that doesn't tell us what proportion of the population has good glucose control. To get to quality, we need to combine claims analysis with clinical data.”

Enter organizations such as the Colorado Health Observation Regional Data Service (CHORDS), and the non-profit health information exchange (HIE), CORHIO. According to Arthur Davidson M.D., project director, CHORDS represents a collaborative effort between Denver-metro providers and convened by the Colorado Health Initiative (CHI), to standardize and normalize clinical data from multiple Electronic Health Record (EHR) formats into so-called virtual data warehouses (VDWs). Those data can be queried by health departments and other public entities to answer health questions about specific Colorado populations. CHORDS data are distinguished from and complementary to data generated by initiatives like the Colorado APCD in that they contain clinical information rather than claims.

“We are, for example, able to look at obesity as a condition rather than a diagnosis,” says Davidson. “We can look in a timely way at tobacco use rates, or conditions like asthma, depression, cardiovascular disease and diabetes, all through the virtual data warehouse, and categorize them by region, sociodemographics, age, gender and race. We can visualize them at a granularity that goes down to the community level. We can thus turn clinical data into information that informs action, allowing us to design or change community-based intervention strategies, policy-based system changes, and environmental changes,



Developmental Chemist Brian Ream focuses on nucleic acid chemistry at SomaLogic in Boulder.

and then monitor the progress and outcomes of those interventions.”

According to Davidson, there are already 12 large providers in the region that are part of the project, including Children’s Hospital Colorado, Kaiser Permanente and Denver Health, and CHORDS is working on bringing additional non-profit and university hospitals into the mix as well.

EHRs came into widespread adoption and pervasive use only within the last decade, so sharing EHR data between providers and using it for multiple purposes presents special challenges. Daily, HIEs facilitate patient-information exchanges from system to system, dealing with massive amounts of data to fulfill that role.

“We move 375,000 clinical messages around the state every day, and our web portal manages 250,000 queries per week. It’s a lot of data,” Morgan Honea, CEO at CORHIO, says. “As of today, we have 61 hospitals connected to our HIE, and clinicians, their key staff and other stakeholders at more than 1,100 organizations—including outpatient centers, public health organizations, diagnostic facilities and health plans—access and use the HIE in some capacity.”

While public health is proving to be a key area in the movement to develop Big Data in Colorado, a great deal of activity is ongoing in private

companies, academic centers and advocacy organizations. Companies like SomaLogic and Bodesix (both in Boulder) continue to develop and commercialize product platforms that use advanced analytics and Big Data collected from proteomics and genomics studies to shape precision medicine in the areas of wellness and disease. Matrix Analytics has developed software-learning algorithms to analyze Big Data for real-time clinical decision support, starting with identification and management of incidentally-found pulmonary nodules. Clinical Trial Site Solutions and its subsidiary, TOMR2 Development Designs, has developed a customizable platform that works with existing EHR platforms to improve clinical workflows and track outcomes-based data at clinical research centers and sponsor-driven clinical trial sites in virtually any medical sub-specialty.

Based in Denver, RxRevu aims to use Big Data and artificial intelligence to improve the consistency, safety and efficiency of the drug prescribing process. Their prescription decision-support tool, RxCheck, pulls together data from a patient’s clinical and claims histories, and benefits plans and formularies, along with drug costs and clinical protocols. The tool then uses those “smart data” to inform the provider about appropriate prescribing options in a digestible, useable, hierarchical format in real time, at the point of prescribing.

“We want to help improve patient care by improving prescribing consistency so that patients receive the most efficacious, safest and most cost-effective medications based on the best evidence,” RxRevu’s chief executive officer, Carm Huntress says. “An important, data-driven feature of RxCheck is that it has a performance-measurement tool that uses data to drive downstream learning.”

Huntress says that RxRevu is currently in partnerships with private, public and academic Colorado-based organizations to implement RxRevu into real-world practice.

Meanwhile, a wide variety of departments within the major university systems in Colorado have research programs dedicated to developing new uses for and tools to harness Big Data. At CU Boulder’s Computational Bioscience program, faculty and students are focused on computational approaches to health problems from the molecular level to the population level. Elsewhere on campus, programs at the BioFrontiers Institute and the Department of Computer Science are developing novel computational and statistical techniques for understanding data from complex biological and social

systems, and for characterizing the multitude of noncoding RNAs in the transcriptome.

In 2013, CU Denver established a new Division of Biomedical Informatics and Personalized Medicine (BIPM) in the Department of Medicine on the Anschutz Campus. Now headed by Kathleen Barnes, Ph.D., the division brings together medical informaticists, bioinformaticists, biologists generating large “omics” datasets and other academicians whose goal is to translate research into personalized and precision medicine to the clinic. Current areas of

The lessons of Big Data are showing that inborn molecular traits, socioeconomic circumstances, environmental conditions, behavioral choices and medical care quality and utilization...all play a critical role in shaping health at both the individual and population level.

focus include application of computational biology and bioinformatics to cancer genomics and epigenomics, gut microbiology, hypoxia-related health conditions and pulmonary diseases.

The Department of Computer Science at Colorado State University (CSU) has \$15 million invested in active research projects applying Big Data, artificial intelligence and bioinformatics to computational problems in protein and RNA function and interactions, alternative splicing, genomics and transcriptomics, genome sequencing and resequencing, and detection of transcription regulatory elements.

The enormous level of statewide activity dedicated to collecting, sharing, analyzing, governing and responding to health data is the power of our collaborative and entrepreneurial environment.

Ultimately, the lessons of Big Data are showing that inborn molecular traits, socioeconomic circumstances, environmental conditions, behavioral choices, and medical care quality and utilization—and the interplay between these domains—all play a critical role in shaping health at both the individual and population level.

“So much about what happens in life is dependent on social experiences and economic environment,” Davidson says.

Colorado is poised to bridge these divides to solve public health problems and amplify the impact of precision medicine for the health and well-being of future generations. ©

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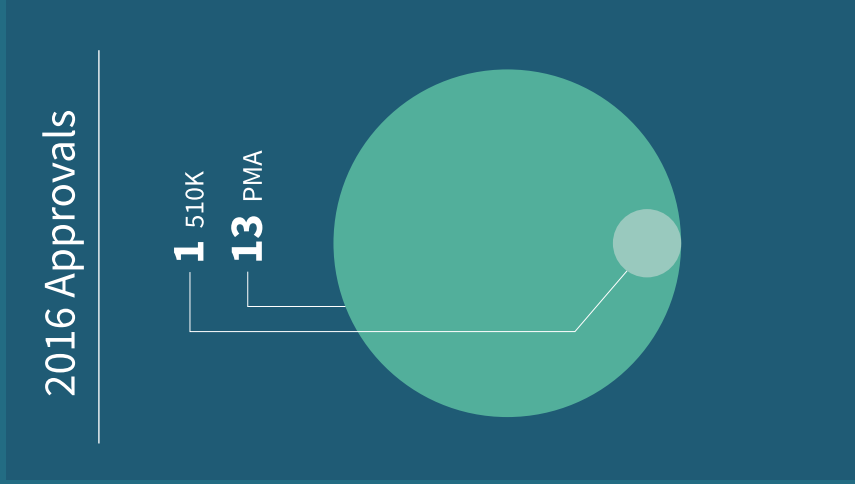
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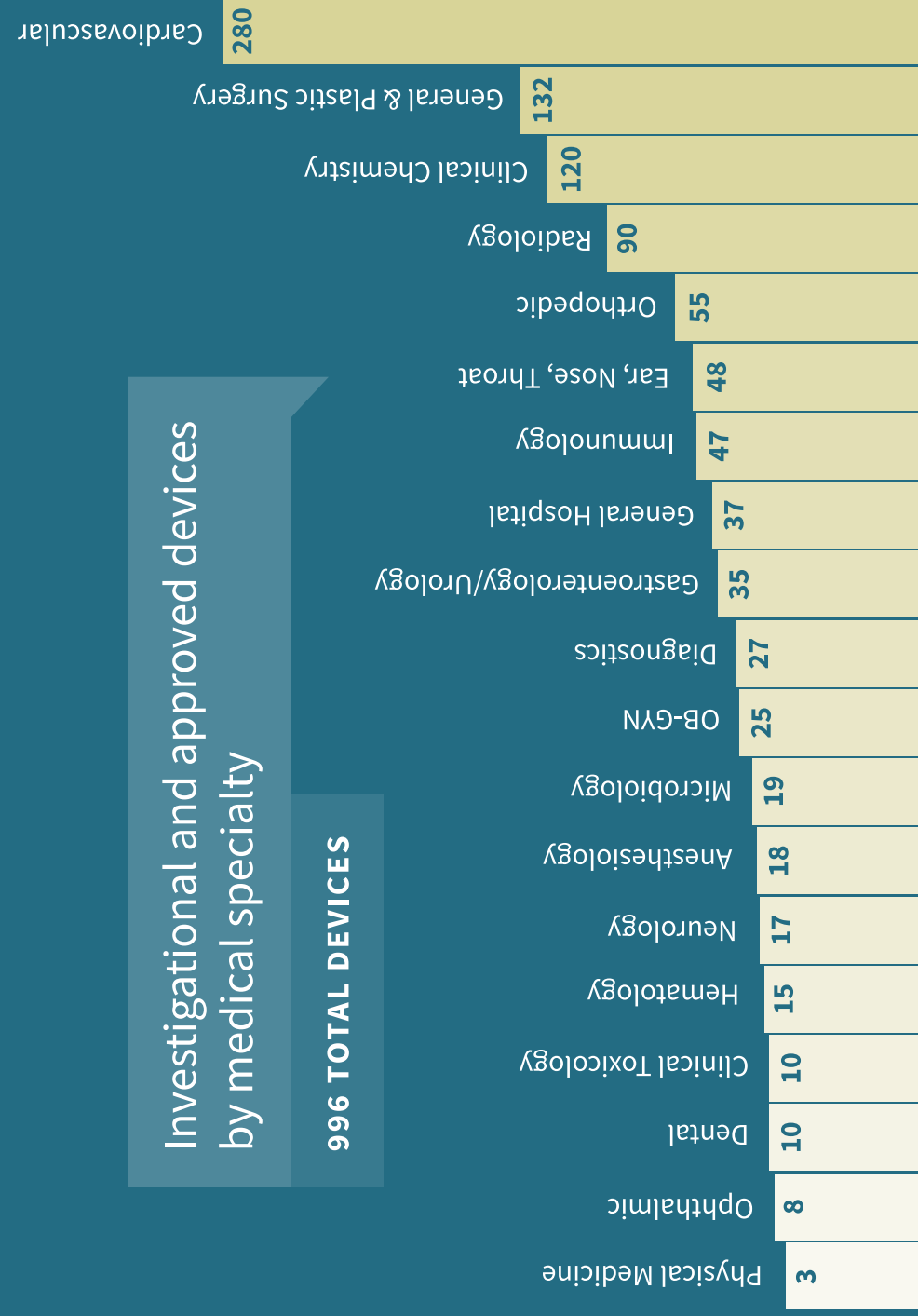
Device, drug and therapy assets around Colorado

DEVICE

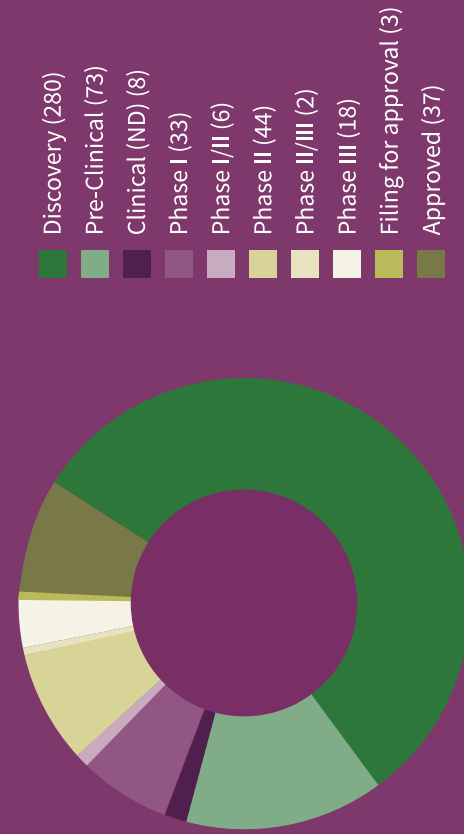


Investigational and approved devices by medical specialty

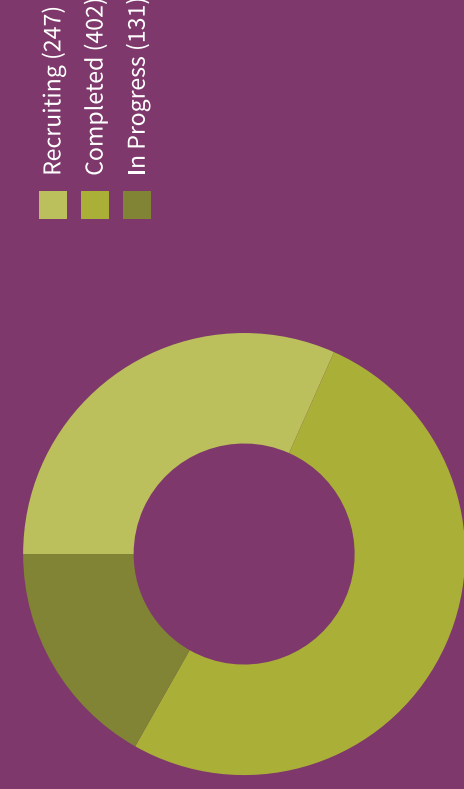
996 TOTAL DEVICES



Drugs by phase



780 studies by Colorado companies



DRUG & THERAPY

COLORADO BY THE NUMBERS

2016 FINANCINGS

| Organization | Type of Event | Transaction Amount (USD) | City | State | Country |
|--|----------------------|--------------------------|--------------|-------|---------------|
| 2B Technologies, Inc. | Grant Funding | \$484,446 | Boulder | CO | United States |
| Ampio Pharmaceuticals, Inc. | IPO's/Offerings | \$3,750,000 | Englewood | CO | United States |
| AntriaBio, Inc. | IPO's/Offerings | \$12,000,000 | Louisville | CO | United States |
| Array Biopharma, Inc. | IPO's/Offerings | \$15,000,000 | Boulder | CO | United States |
| Array Biopharma, Inc. | IPO's/Offerings | \$132,250,000 | Boulder | CO | United States |
| Aytu BioScience, Inc. | IPO's/Offerings | \$7,500,000 | Englewood | CO | United States |
| Aytu BioScience, Inc. | Financing Agreements | \$10,500,000 | Englewood | CO | United States |
| Aytu BioScience, Inc. | IPO's/Offerings | \$8,600,000 | Englewood | CO | United States |
| Aytu BioScience, Inc. | IPO's/Offerings | - | Englewood | CO | United States |
| Bio2 Medical, Inc. | Venture Financing | \$10,000,000 | | | |
| Biodesix, Inc. | Financing Agreements | \$5,120,000 | Boulder | CO | United States |
| Biodesix, Inc. | Venture Financing | \$22,000,000 | Boulder | CO | United States |
| Biomimetix Jv, Llc | Grant Funding | \$1,023,555 | Englewood | CO | United States |
| Bolder Biotechnology, Inc. | Grant Funding | \$674,036 | Boulder | CO | United States |
| Boulder Nonlinear Systems, Inc. | Grant Funding | \$2,273,141 | Lafayette | CO | United States |
| CardioNXT | Equity Funding | \$1,500,000 | | | |
| Cerapedics LLC | Venture Financing | \$11,000,000 | Broomfield | CO | United States |
| Chi Institute For Research & Innovation | Grant Funding | \$880,000 | Englewood | CO | United States |
| Colorado Cancer Research Program, Inc. | Grant Funding | \$996,517 | Denver | CO | United States |
| Colorado Photopolymer Solutions, Llc | Grant Funding | \$452,402 | Boulder | CO | United States |
| Colorado School Of Mines | Grant Funding | \$774,627 | Golden | CO | United States |
| Colorado State University | Grant Funding | \$33,459,718 | Fort Collins | CO | United States |
| Crestone, Inc. | Grant Funding | \$2,223,242 | Boulder | CO | United States |
| Denver Research Institute | Grant Funding | \$311,943 | Denver | CO | United States |
| Globeimmune, Inc. | Grant Funding | \$1,000,000 | Louisville | CO | United States |
| High Precision Devices, Inc. | Grant Funding | \$225,000 | | | |
| Indevr, Inc. | Grant Funding | \$1,931,645 | Boulder | CO | United States |
| Invenux, Llc | Grant Funding | \$807,410 | Windsor | CO | United States |
| JustRight Surgical LLC | Financing Agreements | \$7,000,000 | Louisville | CO | United States |
| JustRight Surgical LLC | Venture Financing | \$4,200,000 | | | |
| Kestrel Labs, Inc. | Grant Funding | \$497,031 | Boulder | CO | United States |
| Lohocla Research Corporation | Grant Funding | \$985,777 | Aurora | CO | United States |
| Mbc Research, Inc. | Grant Funding | \$301,877 | Aurora | CO | United States |
| Mbio Diagnostics | Grant Funding | \$250,000 | Boulder | CO | United States |
| Meadowlark Optics, Inc. | Grant Funding | \$469,426 | Frederick | CO | United States |
| Membrane Protective Technologies, Inc. | Grant Funding | \$600,000 | | | |
| Miragen Therapeutics, Inc. | Grant Funding | \$424,725 | Boulder | CO | United States |
| National Jewish Health | Grant Funding | \$32,869,336 | Denver | CO | United States |
| Native American Cancer Initiatives, Inc. | Grant Funding | \$151,055 | Pine | CO | United States |
| Ocugen, Inc | Venture Financing | \$6,000,000 | Aurora | CO | United States |
| PanTheryx, Inc. | Financing Agreements | \$53,000,000 | Boulder | CO | United States |
| Prima-Temp | Venture Financing | \$1,640,000 | | | |
| Quspin | Grant Funding | \$772,932 | Louisville | CO | United States |
| Sharklet Technologies, Inc. | Grant Funding | \$1,316,559 | Aurora | CO | United States |

2016 FINANCINGS (continued)

| Organization | Type of Event | Transaction Amount (USD) | City | State | Country |
|---------------------------------|-------------------|--------------------------|------------------|-------|---------------|
| SomaLogic | Venture Financing | \$60,500,000 | | | |
| Stewart Computational Chemistry | Grant Funding | \$234,497 | Colorado Springs | CO | United States |
| Surefire Medical | Grant Funding | Undisclosed | Westminster | CO | United States |
| Surefire Medical | Grant Funding | Undisclosed | Westminster | CO | United States |
| Symbios Technologies, Inc | Grant Funding | \$449,931 | Fort Collins | CO | United States |
| Tda Research, Inc. | Grant Funding | \$642,546 | Wheat Ridge | CO | United States |
| Terumo BCT | Grant Funding | \$17,400,000 | | | |
| Topogen, Inc. | Grant Funding | \$279,300 | Buena Vista | CO | United States |

STATE GRANTS

| Program | Award \$ | Grant Expenditures | Remaining (Encumbered) | Grantee | IP Advancement | Follow-on \$ | Projected Annual Revenue | Capital Investments | County Name |
|---------|--------------|--------------------|------------------------|--|----------------------|----------------|--------------------------|---------------------|-------------|
| ESC | \$249,000.00 | \$235,915.07 | \$0.00 | dbMEDx | Utility Patent Filed | \$1,300,000.00 | \$0.00 | \$0.00 | Jefferson |
| ESC | \$125,000.00 | \$124,551.26 | \$448.74 | Membrane Protective Technologies, Inc (MPTI) | N/A | \$600,000.00 | \$0.00 | \$0.00 | Larimer |
| ESC | \$250,000.00 | \$250,000.00 | \$0.00 | VetDC, Inc | N/A | \$1,720,000.00 | \$0.00 | \$381,000.00 | Douglas |
| ESC | \$250,000.00 | \$224,315.08 | \$25,684.92 | Biota Technology | Provisional | \$4,250,000.00 | \$115,000.00 | \$0.00 | Denver |
| ESC | \$250,000.00 | \$226,990.53 | \$23,009.47 | Mbio Diagnostics, Inc | 1 License | \$0.00 | \$0.00 | \$0.00 | Boulder |
| ESC | \$250,000.00 | \$250,000.00 | \$0.00 | Prima-Temp, Inc | Provisional | \$1,725,000.00 | \$0.00 | \$0.00 | Boulder |
| ESC | \$50,000.00 | PO closed 1/13/14 | \$0.00 | Double Helix, LLC | Provisional | \$187,000.00 | \$0.00 | \$0.00 | Boulder |
| ESC | \$100,000.00 | \$45,965.29 | \$54,034.71 | KromaTiD, Inc | 1 License with CU | \$100,000.00 | \$0.00 | \$0.00 | Larimer |
| ESCR | \$250,000.00 | \$157,443.66 | \$92,556.34 | Lifeloc Technologies, Inc. | US/PCT | \$0.00 | \$0.00 | \$37,371.00 | Jefferson |
| ESCR | \$250,000.00 | \$115,295.61 | \$134,704.39 | Mighty Oak Medical | 2 Provisional | \$0.00 | \$0.00 | \$0.00 | Arapahoe |
| ESCR | \$100,000.00 | \$54,030.13 | \$45,969.87 | Siva Therapeutics | Provisional | \$750,000.00 | \$0.00 | \$0.00 | Boulder |
| ESCR | \$160,000.00 | \$83,114.97 | \$76,885.03 | ProTechSure Scientific | N/A | \$0.00 | \$0.00 | \$0.00 | Adams |
| ESCR | \$250,000.00 | \$250,000.00 | \$0.00 | CardioNXT | Provisional | \$1,300,000.00 | \$0.00 | \$5,000.00 | Jefferson |
| ESCR | \$183,800.00 | \$183,800.00 | \$0.00 | Ocugen | N/A | \$165,000.00 | \$0.00 | \$0.00 | Adams |
| ESCR | \$230,900.00 | \$2,390.00 | \$228,510.00 | Fluonic | Provisional | \$481,000.00 | \$0.00 | \$0.00 | Boulder |
| ESCR | \$250,000.00 | \$176,162.60 | \$73,837.40 | Evolutionary Genomics | Provisional/Utility | \$2,100,000.00 | \$250,000.00 | \$110,000.00 | Boulder |
| ESCR | \$250,000.00 | \$50,126.93 | \$199,873.07 | QuSpin | Other | \$158,500.00 | \$324,000.00 | \$0.00 | Boulder |
| ESCR | \$250,000.00 | \$112,695.60 | \$137,304.40 | RxREvU | N/A | \$700,000.00 | \$1,000,000.00 | \$2,150,000.00 | Denver |
| ESCR | \$250,000.00 | \$181,514.71 | \$68,485.29 | FiveFocal, LLC | 6 Licenses | \$0.00 | \$14,000.00 | \$0.00 | Boulder |
| ESCR | \$50,000.00 | \$5,000.00 | \$45,000.00 | KMLabs | Provisional | \$5,500,000.00 | \$5,000,000.00 | \$36,000.00 | Boulder |
| ESCR | \$196,889.00 | \$63,096.46 | \$133,792.54 | IM Therapeutics | N/A | \$350,000.00 | \$0.00 | \$0.00 | Jefferson |
| ESCR | \$205,000.00 | \$164,227.54 | \$40,772.46 | TopoGen | N/A | \$0.00 | \$0.00 | \$128,592.35 | Chaffee |
| ESCR | \$150,000.00 | \$43,834.87 | \$106,165.13 | MenoGeniX, Inc | Utility | \$200,000.00 | \$0.00 | \$0.00 | Adams |
| ESCR | \$50,000.00 | \$50,000.00 | \$0.00 | SudHin Biopharma Co. | Provisional | \$0.00 | \$0.00 | \$0.00 | Boulder |
| ESCR | \$250,000.00 | \$154,808.94 | \$95,191.06 | HepQuant | 1 License with CU | \$250,000.00 | \$969,000.00 | \$0.00 | Arapahoe |
| ESCR | \$250,000.00 | \$85,615.00 | \$164,385.00 | 3DBiopsy | Provisional/Utility | \$1,350,000.00 | \$2,000,000.00 | \$140,000.00 | Adams |
| ESCR | \$250,000.00 | \$45,940.50 | \$204,059.50 | CereScan | N/A | \$0.00 | \$0.00 | \$0.00 | Arapahoe |
| ESCR | \$250,000.00 | \$44,786.41 | \$205,213.59 | Sharklet Technologies | N/A | \$0.00 | \$0.00 | \$0.00 | Adams |

2015 ACQUISITIONS

| Date Announced | Bidder | Target | Deal Value (USDm) |
|----------------|--|-------------------------------|-------------------|
| 2016-01-26 | Venaxis, Inc. | Strand Life Sciences Pvt. Ltd | - |
| 2016-07-15 | Sartorius AG | ViroCyt Incorporated | 16 |
| 2016-09-13 | Venus Medtech (HangZhou) Inc. | Colibri Heart Valve LLC | 25 |
| 2016-09-30 | DentaQuest Management, Inc. | Advantage Dental Plan Inc. | - |
| 2016-10-31 | Fidelity Management & Research Company | miRagen Therapeutics, Inc. | 40 |

2015 FINANCINGS

| Company | Public Ticker | City | \$USD M | Type of Event/Round | Investor/Partner | Industry Type |
|---------------------------------|---------------|------------------|-------------|----------------------|---|-------------------|
| 2B Technologies, Inc | | Boulder | .50 | Grant Funding | NIH | Device |
| Aerophase, Inc. | | Longmont | .50 | Grant Funding | NIH | Pharmaceutical |
| ARCA Biopharma, Inc. | ABIO | Westminster | 37.0 | Financing Agreements | Franklin Advisers, Venrock Associates, H&Q Life Sciences Investors, New Enterprise Associates (Nea), RA Capital Management | Pharmaceutical |
| Aytu BioScience, Inc. | AYTU | Englewood | Undisclosed | Contract/Agreements | | Pharma/Diagnostic |
| Aytu BioScience, Inc. | AYTU | Englewood | Undisclosed | Earnings/Dividends | | Pharma/Diagnostic |
| Aytu BioScience, Inc. | AYTU | Englewood | 5.2 | Financing Agreements | | Pharma/Diagnostic |
| Biodesix, Inc. | | Boulder | 38.0 | Venture Financing | | Diagnostic |
| Biodesix, Inc. | | Boulder | 12.0 | Venture Financing | | Diagnostic |
| Biomimetix JV, LLC | | Englewood | .98 | Grant Funding | NIH | Pharmaceutical |
| Biorealm | | Monument | 4.0 | Grant Funding | NIH | Biotechnology |
| Bolder BioTechnology, Inc. | | Boulder | 1.0 | Grant Funding | NIH | Biotechnology |
| Bolder BioTechnology, Inc. | | Boulder | .40 | Grant Funding | NIH | Biotechnology |
| Boulder Nonlinear Systems, Inc. | | Lafayette | .50 | Grant Funding | NIH | Device |
| Cerapedics | | Westminster | 4.0 | Debt Financing | | MedTech |
| Clovis Oncology, Inc. | CLVS | Boulder | 275.0 | Financing Agreements | | Pharmaceutical |
| Clovis Oncology, Inc. | CLVS | Boulder | Undisclosed | IPO's/Offerings | | Pharmaceutical |
| Corgenix Medical Corporation | | Broomfield | 1.0 | Grant Funding | NIH | MedTech |
| Crestone, Inc. | | Boulder | 4.3 | Grant Funding | NIH | Pharmaceutical |
| Globelmmune, Inc | | Louisville | 1.0 | Grant Funding | NIH | Biotechnology |
| InDevR LLC | | Boulder | 1.3 | Grant Funding | NIH | MedTech |
| Invisible Hand Enterprises, LLC | | Westminster | .46 | Grant Funding | NIH | Device |
| Lohocla Research Corporation | | Aurora | 6.5 | Grant Funding | NIH | Pharmaceutical |
| MBio Diagnostics | | Boulder | 6.3 | Venture Financing | | Diagnostic |
| MBio Diagnostics | | Boulder | .93 | Grant Funding | NIH | Diagnostic |
| Meadowlark Optics, Inc. | | Frederick | .21 | Grant Funding | NIH | Device |
| Mesa Laboratories, Inc. | MLAB | Lakewood | Undisclosed | Earnings/Dividends | | MedTech |
| Microbiome Therapeutics | | Broomfield | Undisclosed | Venture Financing | | Pharmaceutical |
| miRagen Therapeutics, Inc. | | Boulder | 41.1 | Venture Financing | Remeditex Ventures LLC; Atlas Venture, Ltd.; Brace Pharma Capital; Amgen, Inc.; Boulder Ventures, Ltd.; Jafco Ventures; Merck & Co., Inc.; Mp Healthcare Venture Management, Inc. | Biotechnology |
| PharmaJet | | Golden | 6.8 | Venture Financing | | Device |
| Precision Biopsy | | Aurora | 33.6 | Venture Financing | | Device |
| QuSpin | | Louisville | .73 | Grant Funding | NIH | Device |
| Sharklet Technologies | | Aurora | .89 | Grant Funding | NIH | MedTech |
| Spectranetics Corporation | SPNC | Colorado Springs | 110.0 | Financing Agreements | | MedTech |
| Surefire Medical | | Westminster | 15.1 | Venture Financing | | Device |
| Surefire Medical | | Westminster | 11.0 | Venture Financing | | Device |
| Suvica, Inc. | | Boulder | 2.9 | Grant Funding | NIH | Pharmaceutical |
| TDA Research, Inc. | | Wheat Ridge | .55 | Grant Funding | NIH | Device |
| Topogen, Inc. | | Buena Vista | .32 | Grant Funding | NIH | Diagnostic |
| Ventria Bioscience | | Fort Collins | .31 | Grant Funding | NIH | Biotechnology |
| VetDC | | Fort Collins | 2.1 | Venture Financing | | Pharmaceutical |
| Nivalis Therapeutics, Inc. | NVLS | Boulder | 89.0 | IPO's/Offerings | | Pharmaceutical |

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GRANT PROGRAMS: Innovation Engines

THE GROWTH AND SUCCESS OF COLORADO'S LIFE SCIENCE ECOSYSTEM would not be as robust as it is today without some valuable assistance from the state's Advanced Industries (AI) Accelerator Grant Program. Initiated in 2006, and known as the Bioscience Discovery Evaluation Grant Program (BDEG), Colorado recognized the need to support the development of its novel technologies and make an effort to advance commercialization. The program's success led to the passage of additional legislation in 2013, enacting the AI Accelerator Grant Program we know today.

Since its inception, the state's Advanced Industry Grant Program has awarded **333 grants** to bioscience companies, totaling more than **\$45 million**, creating **56 new companies**, **597 direct jobs**, and **\$530 million** in follow-on grants and investments.

The AI Accelerator Grant Program promotes growth and sustainability in Colorado's seven advanced industries – advanced manufacturing, aerospace, bioscience, electronics, energy, infrastructure engineering and technology – by helping drive innovation, accelerate commercialization, encourage public-private partnerships, increase access to early stage capital and create a strong ecosystem that increases the state's global competitiveness.

Since its inception, the state's Advanced Industry Grant Program has awarded 333 grants to bioscience companies, totaling more than \$45 million, creating 56 new companies, 597 direct jobs, and \$530 million in follow-on grants and investments.

The AI Accelerator Grant Program offers three grant types:



Proof of Concept Grants

Identify and pull technologies from research institutions where they were discovered and connect them to the private sector, where they can be developed into products for commercialization.



Early-Stage Capital & Retention Grants

Fund companies using technologies developed in proof-of-concept grants and other early-stage start-ups that have created viable products that meet a market need and that can be created or manufactured in Colorado and exported globally.



Infrastructure Funding Grants

Used to accelerate commercialization and innovation of AI products and services by building capacity and workforce for the AI ecosystem.

In addition, the AI Export Grant Program supports many small and medium-sized businesses in the advanced industries, and offsets international business development and related marketing costs.

These programs exemplify the importance of investment to promote growth and sustainability to drive innovation, accelerate commercialization and encourage public-private partnerships.

Proof of Concept Grants by Institution

Investigator: Adam Heuberger
Institution: Colorado State University
Title: A Molecular Approach to Improve Flavor Stability in Beer
Impact: This technology consists of using gene sequences in yeast to alter chemical events that occur during brewing and provide novel utility by inhibiting chemical reactions that occur during storage that affect the quality characteristics of beer.

Investigator: Leslie Stone-Roy
Institution: Colorado State University
Title: Audio Lingual Device (Smart Mouthware)
Impact: A tongue-based device that converts audio sounds into electrical signals. This allows the tongue to augment or replace audio sensations via a new paradigm. The technology is being commercialized by Sapien LLC.

Investigator: Charles Henry
Institution: Colorado State University
Title: Low-Cost Sensor for Rapid Virus Detection
Impact: Paper-based sensor for virus detection. The device is being commercialized by Access Sensor Technologies (AST) currently.

Investigator: Brad Borlee
Institution: Colorado State University
Title: Pathogen activated antimicrobial devices
Impact: A project to evolve surfaces to sense biofilm formations and actively prevent their formation via natural dispersants. The surface treatments are based on nitric oxide therapies.

Investigator: Justin Mathis
Institution: Colorado State University
Title: VetMeasure Electronic Canine Collar
Impact: VetMeasure's project utilizes a Collar-Cloud-App technology platform allowing for real-time monitoring of health and physiological conditions of dogs. Our unique vet-centric approach exploits current veterinary-client-patient relationships to add value to all parties involved.

Investigator: Jessica Prenni
Institution: Colorado State University
Title: Novel Device for Human Milk Concentration for Improvement of Neonatal Nutrition and Outcomes
Impact: MMIB has developed Human Milk Concentration (HMC)-advanced filtration technology to safely and efficiently remove water from human milk without the use of external pressure or heat. HMC uses a mother's own milk to produce pure, concentrated milk containing the native essential human proteins, beneficial nutrients and immune factors that promote optimal neonate growth and play a profound role in the survival & health of a newborn.

Investigator: Seth Donahue
Institution: Colorado State University
Title: Thiol-ene hydrogel delivery of PTH for bone regeneration
Impact: The study will advance the technology of hydrogel-delivered parathyroid hormone (PTH) for bone defect healing. The project will determine the effects of PTH release rates and the minimum effective dose of hydrogel-delivered PTH to achieve full healing of a critical size bone defect.

Investigator: Melissa Reynolds
Institution: Colorado State University
Title: In vivo Assessment of Anti-clotting Catheters using Metal Organic Frameworks (MOF) Mix-ins
Impact: This project is a new approach for preventing clotting that is also compatible with current manufacturing processes and thus not only addresses the clinical problem, but provides a transitional pathway to the market. Because the mix-in is robust, it can be heated and stored for prolonged periods.

Investigator: F. Andrew Ray
Institution: Colorado State University
Title: Development of a dGH Chromosome Inversion Assay to Detect Radiation-Induced Genetic Damage in Mice
Impact: This project is developing a new inversion biodosimetry assay using directional genomic hybridization (dGH) and provides an unbiased estimate of the dose from a previous radiation exposure. Creating and applying dGH paints for new genomes, i.e. for use in research animals, especially the mouse, will provide expanded biodosimetry applications for dGH.

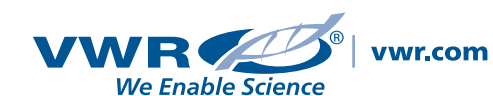


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Investigator: Steve Dow
Institution: Colorado State University
Title: Mucosal Immunotherapeutic for Respiratory Tract Infections in Dogs and Cats
Impact: The MucosImmune technology is a new immune therapeutic composition designed to adhere to mucosal surfaces and activate local innate immunity to help prevent transmission of respiratory diseases in companion animals.

Investigator: Julie Dunn
Institution: UCHealth - Northern Colorado
Title: Proof of Concept Grant for Lifeboard
Impact: The Lifeboard device captures, displays and records all essential data during time-critical medical events. Pilot clinical studies during simulated and real-life trauma interventions at the Medical Center of the Rockies have yielded sufficient data to demonstrate time-savings, feasibility, and identify human use and interface requirements.

Investigator: Gary Luckasen
Institution: UCHealth - Northern Colorado
Title: Clinical Validation of a Novel, Non-Invasive Biosensing Platform for Real-time Triage
Impact: Corvectra's technology is designed to target clinical and non-clinical remote sensing applications, including triage.

Investigator: Mark Rentschler
Institution: University of Colorado Boulder
Title: Endoscopically Deliverable Overtube
Impact: To prevent colonoscope looping and colon distension.

Investigator: Richard Schulick
Institution: University of Colorado Denver
Title: CAR-T Infusions
Impact: This is an open label, fixed dose, phase Ib trial of anti-CEA CAR-T cell infusions delivered via the hepatic artery using the Surefire Infusion System (SIS) for patients with CEA-expressing liver metastases.

Investigator: Kelly Bookman
Institution: University of Colorado Denver
Title: Smart Pathways System
Impact: Smart pathways system implementation and optimization.

Investigator: Jennifer Wiler
Institution: University of Colorado Denver
Title: ED Module
Impact: RxRevu ED module product development pilot.

Investigator: Won Park
Institution: University of Colorado- Denver
Title: Multifunctional nanoparticle clusters
Impact: Multifunctional nanoparticle clusters for simultaneous detection and optoporation of superficial bladder cancer.

Investigator: Ding Xue
Institution: University of Colorado Denver
Title: Hepatitis B virus (HBV)
Impact: Novel compounds to eradicate hepatitis B virus (HBV) and halt disease progression.

Investigator: Shelley Miyamoto
Institution: University of Colorado- Denver
Title: Cardiac Allograft Vasculopathy
Impact: Biomarker test for pediatric cardiac allograft vasculopathy.

Investigator: James Costello
Institution: University of Colorado Denver
Title: PrecisionProfileDx
Impact: A genomics workbench solution to accelerate insights for cancer treatment.

Investigator: Chris Bowman
Institution: University of Colorado Denver
Title: Huntington's Disease Treatment
Impact: Click nucleic acids for Huntington's disease treatment.

Investigator: Robin Deterding
Institution: University of Colorado Denver
Title: The Pediatric Zebra Project
Impact: Wearable personalized pediatric devices to optimize health and lung disease management.

Investigator: Michael Holers
Institution: University of Colorado Denver
Title: Autoimmune and inflammatory diseases
Impact: Novel tissue-targeted complement therapeutic agents for treatment of autoimmune and inflammatory diseases.

Investigator: Kenneth Malcolm, Ph.D.
Institution: National Jewish Health TTO
Title: Interferon-stimulated gene panel
Impact: Validation of an interferon-stimulated gene panel for prediction of acute respiratory distress syndrome outcomes.

Investigator: Richard Meehan, Ph.D.
Institution: National Jewish Health TTO
Title: Synovial fluid analysis
Impact: Development of a center for synovial fluid analysis.

Investigator: Michael Strong, Ph.D.
Institution: National Jewish Health TTO
Title: Healthy Home Indoor Environment Test Kit
Impact: Development of a healthy home indoor environment test kit.

Investigator: Melissa Krebs
Institution: Colorado School of Mines
Title: Fluorapatite-containing Hydrogels as Novel Dental Filling Matrices to Repair Cavities
Impact: Synthetic graft materials will act as biological placeholders that facilitate guided tissue regeneration processes, ultimately resulting in resorption and replacement with healthy tissue.

Investigator: David Marr
Institution: Colorado School of Mines
Title: Magnetic-Field Driven Colloidal Microbots Employing Wall-Based Propulsion
Impact: A precise and controllable method suitable for exploring the body has been developed that uses rolling on surfaces for propulsion. This novel method uses oscillating magnetic fields to create and orient tire-shaped colloidal assemblies that roll along available surfaces that are plentiful within the human vascular system.

Investigator: Jeff Squier
Institution: Colorado School of Mines
Title: Simultaneous Spatial and Temporal Focusing Micromachining
Impact: This innovation shows for the first time that energetic femtosecond pulses, with SSTF, can be used in conjunction with tunable acoustic gradient (TAG) lenses. The net result is an optical delivery system compatible with important industrial and ophthalmic applications.

Early-Stage Capital and Retention Grants

TopoGen

A research diagnostics company that provides innovative products and services for researchers working with topoisomerases and engaged in mechanism based drug discovery and development. Drug Screening Kits are available to identify topoisomerase active drugs for use in cancer chemotherapy and antibacterial applications. The company also provides assay kits for assaying both prokaryotic and eukaryotic topoisomerases (type I, II, IV, gyrase), both in vitro and in vivo.

CereScan Corporation

CereMetrix, CereScan's unique brain diagnostic system, will increase productivity and accuracy with the most precise image processing software in the industry; reach the most likely diagnosis and treatments regimens more quickly; and discover correlations with the lick of a button using CereMetrix's cohort data analysis tool.

Infinity

Infinity is developing a catheter-based device to treat mitral valve regurgitation - the most common disease in the US. The Infinity device is modular, allowing five components to be delivered sequentially to the mitral valve via catheters that occupy 1/5 the space of current technologies.

IM Therapeutics

IM Therapeutics' mission is to treat and prevent Type 1 Diabetes with a once-a-day pill that interrupts the T1D patient's autoimmune processes that induces the disease.

ProTechSure Scientific, Inc

600+ people start radiation therapy for cancer each day, 80 percent of whom will have reddening, burning itchy rash or worse from treatment. DIFINSA53 is a new, OTC skin protectant lotion that will help patients to better tolerate their treatments and lower the likelihood of severe skin damage.

Sudhin Biopharma Company

Developing continuous manufacturing strategies for biologics. Our patent-pending novel cell settlers enable high cell densities and productivities in continuous perfusion cultures of microbial yeast cells for the first time. Through their more efficient scale up, they also reduce the size and footprint of cell retention devices for achieving high cell density perfusion cultures of mammalian cell cultures.

RxREVU, Inc

RxREVU's Prescription Decision Support platform, RxCHECK, is a payer and EHR agnostic platform providing clinical users cost and quality insight personalized to the patient in zero to one click, to ensure the right decision is made the first time and to prevent downstream waste. RxCHECK allows clinical leaders a hard-wired line of communication to keep providers and care teams up to date on best practices and standards of care, to lower cost and improve patient outcomes.

HepQuant Loc

HepQuant has developed a new platform of tests to measure the functional health of a patient's liver using a minimally-invasive, accurate and more convenient alternative to traditional methods.

MenoGeniX, Inc

Building on broad patent protection and positive, placebo-controlled clinical trial data, MenoGeniX is a clinical-stage biotechnology company developing a naturally-occurring protein as a new and potentially safer alternative to hormone therapy, anti-depressants and pain medications for the 70 million women that seek therapy for hot flashes and related vasomotor symptoms associated with natural, surgical and chemically-induced menopause.

ClearSight LLC

Developing a novel intraocular lens as a solution to posterior capsule opacification (PCO), the primary complication of cataract surgery that affects 25 percent of cataract patients. These patients must return to the ophthalmologist for an additional procedure, a YAG laser capsulotomy, costing Medicare \$350 million each year. Our device is designed to prevent this complication, thus improving healthcare quality and reducing costs.

EnlightenVue

Single-use, low-cost disposable micro-endoscopes to mitigate the risk of contaminated medical scopes and allow for outpatient procedures. The initial focus is Arthroscopy, ENT and Urology.

3DBiopsy, LLC

System for the diagnosis and treatment of prostate cancer— the most commonly diagnosed significant male cancer. The 3DB System will (1) achieve improvements in biopsy accuracy; (2) reduce the need for radical surgery or full radiation; and (3) lower costs for the healthcare industry.

Nanoly Bioscience

Evaluation of photodegradable polymer networks for encapsulation and thermal stabilization of temperature-sensitive biological molecules.

Commercialization Infrastructure Grants

Colorado Bioscience Institute (CBSI)

cobioinstitute.org

The Colorado Bioscience Institute is a non-profit entity providing education, workforce and career development for life science professionals, companies, students and educators related to the bioscience industry in Colorado. The Institute has grown exponentially since its formation and has created a very successful slate of pipeline programs, including the Research Experience for Teachers (RET) and Executive Leadership Programs (ELP).

Colorado Bioscience Association

cobioscience.com

Colorado BioScience Association champions life science. The not-for-profit organization represents more than 350 member organizations and serves as the hub of Colorado's thriving bioscience sector by connecting innovators to funding, infrastructure, research and talent. CBSA grows the bioscience workforce and leads business expansion policies to advance the industry in our state.

The Colorado Institute for Drug, Device and Diagnostic Development (CID4)

cid4.com

CID4 is a 501(c)(3) nonprofit organization whose purpose is to leverage the \$500 million in annual federal research funding to Colorado's universities to generate new products to improve healthcare outcomes, reduce costs and promote the growth of bioscience industry in Colorado. CID4's primary focus is on accelerating the commercialization of promising drug, device, diagnostic, and mHealth technologies based on research and development activities at the National Cancer Institute-funded University of Colorado Cancer Center (UCCC). UCCC member institutions include the University of Colorado Anschutz Medical Campus, Colorado State University, University of Colorado Boulder, and National Jewish Health. CID4 staff help UCCC researchers and entrepreneurs connect with funding and expertise to see projects through to clinical development.

University of Colorado Denver-Anschutz Medical Campus- Gates Biomufacturing Facility

gatescenter.org

As an academic contract manufacturing organization, the Gates Biomufacturing facility at the University of Colorado Anschutz Medical Campus provides process development, scale-up and cGMP manufacturing services to academic researchers, clinicians and biotech companies. This facility was recently established to support the development and manufacture of cell- and protein-based therapeutics with state-of-the-art clean rooms, scale-up laboratories, an analytical testing laboratory and electronic quality management systems.

CSU- BioMARC

biomarc.colostate.edu

BioMARC of CSU is a service unit specializing in high-containment production facilities for BSL-3 organisms, CDC "Tier 1" select agents, and spore-forming bacteria. CSU-BioMARC's BSL-3 good manufacturing practice (GMP) facilities produce biologics for human clinical trials and commercialization that has included a successful FDA Pre-Approval Inspection.

The BioFrontiers Institute

biofrontiers.colorado.edu

The culture of the BioFrontiers Institute, its interdisciplinary spirit and entrepreneurial reputation are fully embodied within its core facilities: the Advanced Light Microscopy Core, the Next-Generation Sequencing Core and the Scientific Computing Core. Together, they aim to support the local bioscience industry through a series of targeted multi-day workshops along with providing ongoing practical and personal support. This coordinated resource will aid in the recruitment, retention and advancement of skilled labor.

StartUp Health – University of Colorado Denver

startuphealth.com

In 2011, StartUp Health introduced a new model for transforming health by organizing and supporting a global army of entrepreneurs called Health Transformers. StartUp Health is investing in 10 Health Moonshots with the long-term goal of improving the health and wellbeing of everyone in the world. With the world's largest digital health portfolio, StartUp Health announced the launch of its Colorado hub in 2016.

University of Colorado Cancer Center

ucdenver.edu/academics/colleges/medschool/centers/cancercenter/Pages/CancerCenter.aspx

The University of Colorado Cancer Center is Colorado's only National Cancer Institute-designated consortium comprehensive cancer center. The center is a consortium of three state universities, including the University of Colorado-Boulder, University of Colorado Anschutz Medical Campus and Colorado State University, and three institutions: University of Colorado Health, a network comprised of University of Colorado Hospital, Poudre Valley Hospital, Medical Center of the Rockies and Memorial Hospital, Children's Hospital Colorado and Denver VA Medical Center. The Center's efforts form the basis of a comprehensive spectrum of translational prevention, diagnosis, treatment, survivorship and outreach programs and provide a framework for training the next generation of cancer researchers and physicians.

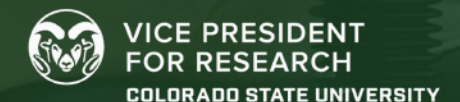
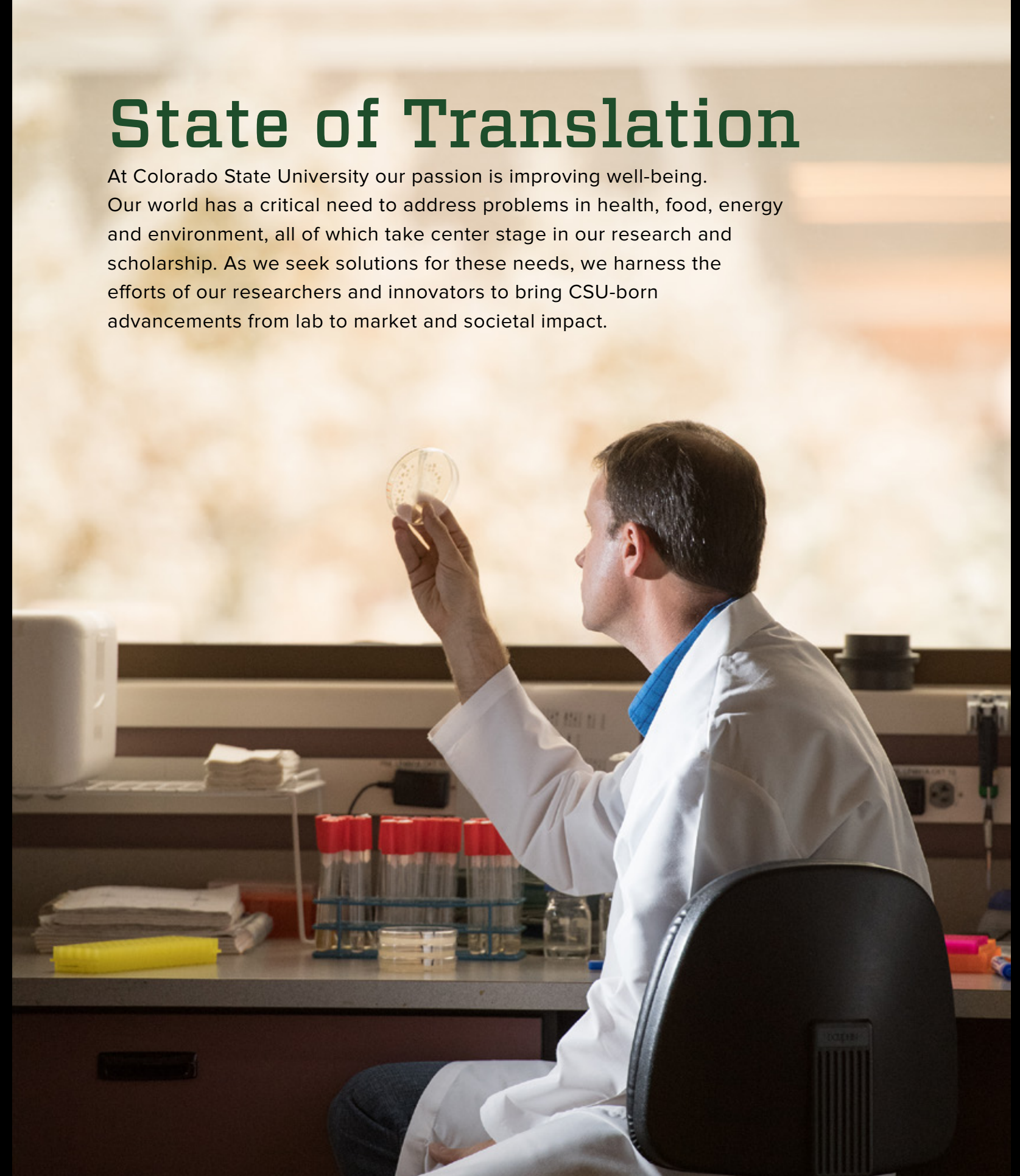
University of Colorado – mHealth Impact

mhealthimpact.ucdenver.edu

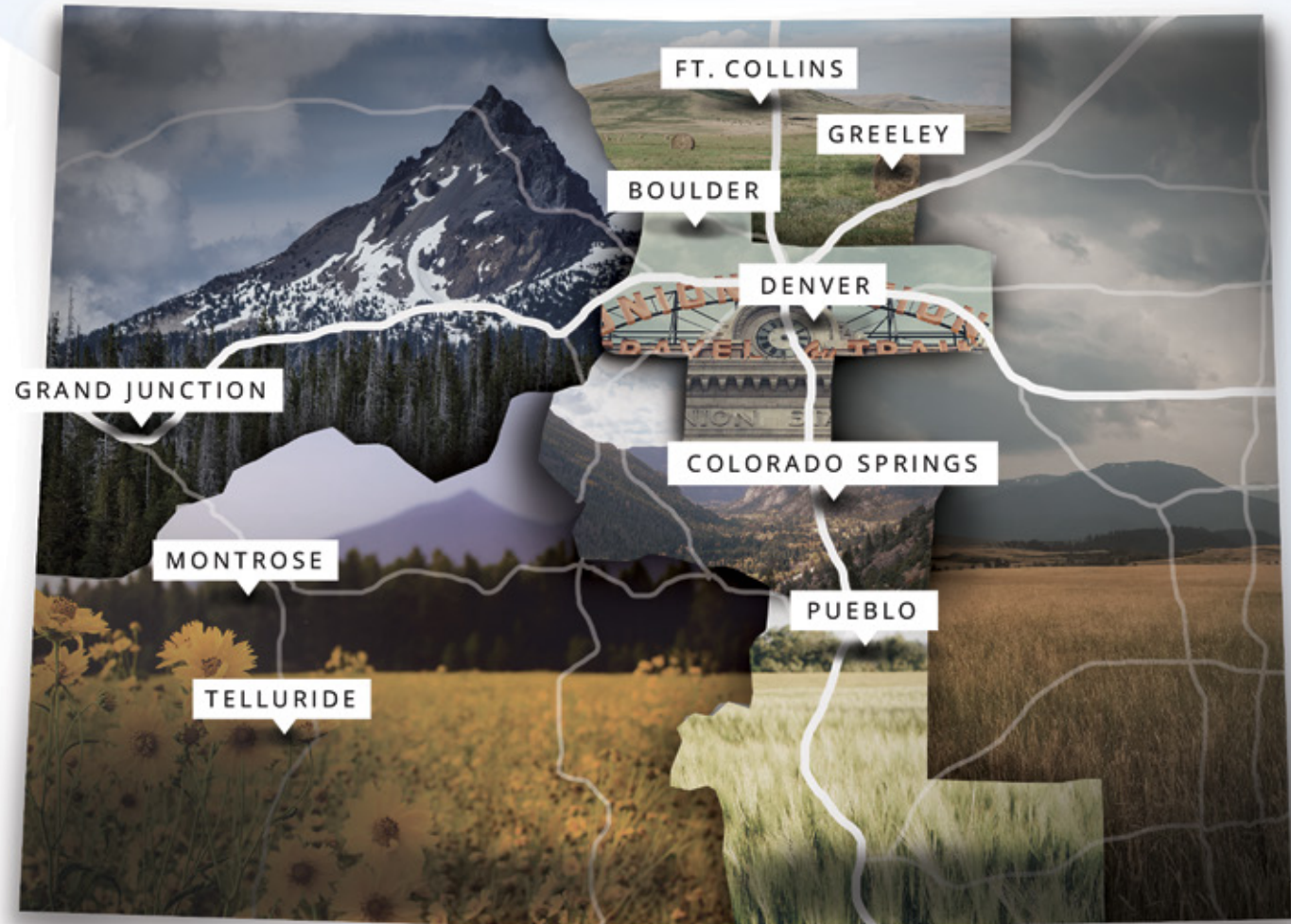
Efficient realization and pilot testing of prototypes for technology-based programs for health promotion and disease prevention that can be tested in larger trials and primed for scalability and dissemination. The mHealth Impact Laboratory is an incubator for innovative eHealth promotion and disease management initiatives.

State of Translation

At Colorado State University our passion is improving well-being. Our world has a critical need to address problems in health, food, energy and environment, all of which take center stage in our research and scholarship. As we seek solutions for these needs, we harness the efforts of our researchers and innovators to bring CSU-born advancements from lab to market and societal impact.



vpr.colostate.edu



DIRECTORY

- 41 **MedTech**
- 49 **Biotechnology, Pharmaceutical and Related**
- 55 **Agriculture Biology and Animal Health**
- 57 **Mobile and Digital Health**
- 60 **Research and Education Institutions**
- 62 **Member Foundations**
- 63 **Community Partners**
- 64 **Member Service Providers**

MEDTECH

2C Technologies
Denver
www.2ctechcorp.com
Development, validation, and commercialization of “SeeQ” intraocular implant as a next generation in vivo system for stimulating degenerated retinal cells and restoring vision.

C 3DBiopsy, LLC
Vail
www.3dbiopsy.com
Developed a complete turnkey biopsy system that uses three dimensional (3D) imaging to map the entire prostate gland and identifies any clinically significant cancer with up to 95% accuracy.

C 3D Systems - Healthcare
Littleton
www.3dsystems.com
Produces highly accurate 3-D physical models of human bone structure from imaging such as CT or MRI.

Abilities Unlimited
Colorado Springs, Denver
www.auiop.com
Provides artificial limbs and custom orthopedic appliances.

Able Planet
Wheat Ridge
Developing an extensive line of audio and communications products that are usable by people with all levels of hearing, and provide a means whereby users can listen at lower volumes without compromising full rich sound.

Access Sensor Technologies
Fort Collins
Paper-based diagnostics for industrial and personal environmental monitoring.

C Acertara Acoustic Laboratories, LLC
Longmont
www.acertaralabs.com
Independent ISO/IEC accredited medical ultrasound acoustic measurement and testing laboratory.

Actium Biosystems
Boulder
www.actiumbio.com
Developing new technology to treat cancer through the use of nanoparticles to weaken and destroy cancer cells.

Advanced Research Instruments Corporation
Golden
www.aricorp.com
Produces preamplifiers for PMT’s and electron multipliers, high voltage power supplies, counters and timers, precision rate meters, and image analyzers for scanning electron microscopes.

Aesthetic Technologies
Golden
www.parisianpeel.com
Manufactures and sells Parisian Peel® brand microdermabrasion systems and accessories along with skin care products to medical and spa professionals.

Aestis, Inc.
Boulder
www.altitudetraining.com/aux/about/aestis
Develops a treatment for obesity through controlled hypoxia technology. The two principal components are the air separation unit and proprietary control system.

C Agilent Technologies
Boulder, Frederick
www.agilent.com
Provides core electronic and bio-analytical measurement tools to advance life science research. Commercial manufacturing of nucleic acid active pharmaceutical ingredients.

C AktiVax
Boulder, Aurora
Developing novel reconstitution safety syringes for vaccines and biologics.

C Alligant Scientific
Highlands Ranch
Developing new approaches to socially relevant technical problems in energy and materials science.

C Allison Medical
Littleton
www.allisonmedical.com
Develops a variety of disposable products which serve the healthcare needs of retail/pharmacy, acute, alternate, and home care markets.

C AlloSource
Centennial
www.allosource.org
Develops, processes and distributes life-enhancing bone and tissue allografts to the medical community.

AllPro
Broomfield
www.allprodental.com
Produces a large selection of non-latex prophylaxis cups, prophylaxis angles and other dental products.

Alpha Mold West
Broomfield
www.alphamoldwest.com
Plastic injection mold-making facility for the medical industry.

C Apdyne Medical Company
Denver
www.apdyne.com
Manufactures and distributes the Apdyne Phenol Applicator Kit used to anesthetize the tympanic membrane during in-office myringotomy procedures.

Aqueous Biomedical
Colorado Springs
Develops biocompatible materials and geometric designs that can be applied to stents, shunts, artificial organs and drug delivery devices. Their first product, the Oculieve™ shunt, is designed to control over-pressurization inside the eye caused by glaucoma.

ArcScan, Inc.
Morrison
www.arcscan.com
Developing VHF Ultrasound for comprehensive ophthalmic imaging.

Archer DX
Boulder
www.archerdx.com
Creates catalog and custom next-generation sequencing (NGS) assays that are purpose-built to identify mutations and gene fusions from clinical sample types.

Arcturus Star Products LLP
Cortez
www.lymphstarpro.com
Pioneering Vibrational Energy Therapy for the wellness and beauty professions. Therapeutic specialty is in the area of lymphatic health.

C Arthroventions
Denver
www.arthroventions.com
Developing a family of devices that distend the synovial fluid to improve the accuracy of aspirating and injecting medication into the joint space.

ASI Medical, Inc.
Centennial
www.asimedical.net
Developer of specialized mobile and integrated dental carts, as well as unique dental instruments for the modern dental office.

C Aspire Biotech, Inc.
Colorado Springs
www.aspirebiotech.com
Provides contract services for all phases of product development from concept to launch, and produces its own skin sealant and wound-closure adhesives.

Auri-Stim Medical
Denver
www.net1device.com
Offers an alternative therapy for migraine headaches, hormonal migraine, chronic headaches, premenstrual syndrome (PMS), nicotine and narcotics addictions using the NET-1000 device.

Baby Genes Inc.
Golden
www.babygenes.net
Genomics services company using Next-Generation Sequencing assays to deliver more advanced newborn screening.

Beacon Biotechnology

Aurora
www.beaconbiotechnology.com
Beacon's BrightSPOT Reader will address new markets in home diagnostics, point-of-care diagnostics and bioterrorism.

Beckman Coulter

Fort Collins
www.beckmancoulter.com
Develops and produces instruments for the diagnostic industry. Specializes in the fields of immunocytochemistry, flow cytometry, and microbiology.

Bell Dental Products, LLC

Englewood
www.belldental.com
Designs, develops, and manufactures precision dental equipment based on electric motor technology.

C BEMP, Inc.

Thornton
Hair re-growth device combining estim & coherent light to facilitate hair on the scalp.

C BiO2 Medical, Inc.

Golden
www.bio2medical.com
Commercializing the Angel® Catheter; an innovative medical device designed to provide prophylactic Pulmonary Embolism protection and access to the central venous system in critically ill patients.

BioCare Systems, Inc.

Parker
www.biocaresystems.com
Designs, develops and markets the FDA-cleared LumiWave that uses deep-tissue light therapy to decrease pain, accelerate healing and improve quality of life.

C Biodesix, Inc.

Aurora, Boulder
www.biodesix.com
Develops and commercializes blood-based tests that advance the speed and standard of care in oncology. Its diagnostics help patients and their doctors make more informed decisions about treatment based on a patient's unique molecular profile.

BioFusionary Corporation

Wheat Ridge
Designs and develops medical devices and biomaterials that shape, tighten and seal tissues.

Biologistics Medical

Pierce
Class 2a/2b and 3 medical device development.

C BiOptix

Boulder
www.bioptix.com
Offers a new, patented approach to label-free analysis, called Surface Plasmon Enhanced interferometry (SPE).

Biotricity Medical, Inc.

Aurora
Research and manufacturing company specializing in developing long-term power requirements for implanted devices based on bioelectric generation.

BioVision Technologies, Inc.

Golden
www.biovisiontech.com
Develops and manufactures micro-visualization solutions that enable endoluminal and minimally invasive medical procedures in both human and veterinary medicine. The imaging technologies and customized micro-endoscope solutions are integrated to reduce incision size and speed healing.

BodySync, Inc.

Aurora
www.bodysync.com
Applies evidence-based genetic information to develop personalized products that help individuals achieve their health goals.

Boulder Biomed

Boulder
www.boulderbiomed.com
Boulder BioMed is a creative product and business development firm specializing in bringing medical technologies to market.

Boulder Innovation Group, Inc.

Boulder
www.boulderinnovators.com
Develops and manufactures image-guided surgical navigation digitizers and industrial 3D capture and modeling equipment.

Broadwest Corporation

Boulder
www.broadwest.com
Develops and manufactures ergonomic mammography viewing equipment.

C. R. Bard, Inc./ Medivance

Louisville
www.medivance.com
Leading multinational developer, manufacturer and marketer of innovative, life-enhancing medical technologies in the fields of vascular, urology, oncology and surgical specialty products.

Canberra Industries

Arvada
www.canberra.com
Manufactures and supplies analytical instruments, systems and services for radiation detection and radiation monitoring.

Care Electronics, Inc.

Broomfield
www.medicalshoponline.com
Offers a range of electronic monitoring and alarm equipment for the home health and long term care markets.

Car-May LLC

Berthoud
www.car-may.com
Unlike basic metering pumps, Car-May's systems provide pumping capability, fluid measurement, and flow control all in one compact module.

Cascade TEK

Longmont
www.cascadetek.com
Medical device testing laboratory specializing in package testing, accelerated aging, photostability, UV, temperature/humidity, vibration, shock testing services.

CeraPedics, Inc.

Westminster
www.cerapedics.com
Developing and commercializing novel osteobiologic products based on a proprietary small peptide technology, P-15™ on anorganic bone mineral (ABM).

C CereScan

Littleton
www.cerescan.com
Combines brain imaging technologies with a patient-centered model of care to provide the highest level of neurodiagnostics available.

C Claro Scientific Laboratories

Erie
www.clarolabs.com
Developed a urine-based test that detects more than 130 drugs of abuse.

Clean Room Devices, LLC

Westminster
www.cleanroomdevices.com
Manufactures products that are engineered specifically for "clean room" environments.

ClearSight

Aurora
www.clearsightiol.com
Developing an intraocular lens to give ophthalmologists a comprehensive solution to reduce posterior capsule opacification. The ClearSight IOL features Sharklet, a micro-pattern designed to redirect cellular migration away from the field of vision.

Cochlear Americas

Centennial
www.cochlearamericas.com
Global leader in implantable hearing solutions. Manufacturer of Nucleus cochlear implants and the Baha programmable bone conduction system.

C Colibri Heart Valve

Broomfield
www.colibrihv.com
Researches and develops novel heart valve technologies.

Colorado Precision Products, Inc.

Boulder
www.coloradoprecision.com
Provides diamond turned and polished optics/parts. Fabricator of X-ray telescope optical components. Produces and offers air bearing LVDT contact linear measurement systems, .05 microinch resolution.

C Colorado Therapeutics

Broomfield
www.co-therapeutics.com
Developing xenogenic biologic tissue matrix products for a broad range of soft tissue reinforcement, regenerative, and additional applications.

C CONMED Electrosurgery

Centennial
www.conmed.com
Designs and manufactures RF electrosurgical generators and accessories of the highest quality, safety and value for use in surgical procedures performed in virtually every hospital, surgery center and physician's office.

CoorsTek

Golden
www.coorstek.com
Custom engineering, materials expertise, operational excellence, and rapid execution.

CoramiR Biomedical

Superior
www.coramir.com
Developing non-invasive biomarker tests to guide treatment decisions in heart-failure patients.

Corgenix Medical Corporation

Broomfield
www.corgenix.com
The Colorado facility is engaged in research, development, manufacture, and marketing of in vitro diagnostic products for use in disease detection and prevention.

Corvectra, Inc.

Fort Collins
www.corvectra.com
Developing clinical tools that enable healthcare professionals to non-invasively diagnose and treat patients with a single point of care device.

Crosstrees Medical, Inc.

Boulder
www.crosstreesmedical.com
Developing advanced devices and instruments for the treatment of vertebral body compression fractures (VCF) in the spine.

Darkhorse Technologies

Nederland
Commercializes a patented technology for affordable, hand-carried, battery operated instruments for on-site genetic detection using Polymerase Chain Reaction (PCR).

DataWave Technologies Corporation

Loveland
www.dwavetech.com
Manufactures a wireless and battery-free device for acquiring and transmitting data from electrodes and other biosensors to a receiver placed meters away for electrophysiology, neurophysiology and physiology related research on both humans and large animals.

C dBMEDx

Littleton
www.dbmedx.com
Developing next-generation, automated, wireless 3D ultrasound devices.

Denver Optic Company

Englewood
www.eyeprothetics.com
Specializes in the fitting and fabrication of two types of ocular prosthesis.

C DePuy Synthes, Companies of Johnson & Johnson

Monument
www.synthes.com
Develops, produces and markets instruments, implants and biomaterials for the surgical fixation, correction and regeneration of the human skeleton and its soft tissues.

Desert Glass Works

Colorado Springs
www.dgw.com
Manufactures quartzware for the medical and research industries.

Diazamed

Fort Collins
www.diazamed.com
Develops advanced materials and utilizes leading technologies to create more biocompatible surfaces.

Die Cut Technologies

Northglenn
www.diecuttech.com
Offers precision material conversion, skilled assembly and manufacturing efficiencies, including cleanroom facilities.

Directed Energy Solutions

Colorado Springs
Develops advanced laser and optical device solutions for medical applications.

DNTLworks Equipment Corporation

Centennial
www.dntlworks.com
Manufactures portable, mobile and self-contained dental systems.

C Double Helix

Boulder
www.doublehelixoptics.com
Develops and commercializes computational optical-digital technologies used in range estimation, super-resolution microscopy and 3D imaging. Double Helix's core technologies include the Double Helix-Point Spread Function method for 3D super-resolution imaging.

dpiX, Inc.

Colorado Springs
www.dpix.com
Produces high-resolution amorphous silicon (a-Si) sensor arrays for medical X-ray imaging.

E.I. Medical Imaging

Loveland
www.eimedical.com
Manufacturer of highly portable and ruggedized ultrasound devices for the veterinary industry.

C EJ BioMed – A Division of Eldon James Corporation

Denver
www.eldonjames.com
Manufactures, assembles and packages PVC Free tubing and connectors in a single clean-room environment.

Electronic Materials, Inc. (EMI)

Breckenridge
www.emiuv.com
Offers a complete line of EMCAST UV adhesives, epoxies, sealants, encapsulants and coatings. EMI also offers room temperature, thermal and Visible light cure adhesive systems.

Ellab, Inc.

Centennial
www.ellab.com
Manufactures thermal validation solutions for food and pharmaceutical industries.

Empirical Testing Corporation

Colorado Springs
www.empiricaltesting.com
Provides medical device testing services that add value throughout the product development cycle, with a focus on spinal implant device testing.

Encision, Inc.

Boulder
www.encision.com
Designs and manufactures innovative surgical devices. Developed AEM® Laparoscopic Instruments to improve electrosurgery and reduce the chance for patient injury in minimally invasive surgery.

C EndoShape, Inc.

Boulder, Aurora
www.endoshape.com
Manufactures surgical and medical instruments focusing on shape memory polymer devices for endoluminal application.

C enlightenVue

Denver
www.enlightenvue.com
Specializes in bringing micro-endoscope technology to the medical device market by innovating low-cost disposable alternatives.

C Evergreen Research, Inc.

Golden
www.evergreenresearch.com
Offers a complete range of development services from product definition and feasibility studies through detailed design to pilot-run and low-volume production to the medical device industry.

C Eximis Surgical, LLC

Louisville
www.eximissurgical.com
Developing a proprietary cutting technology that utilizes a single instrument with a receptacle for the minimally invasive removal of tissue during laparoscopic procedures.

Extreme Diagnostics

Boulder
www.extremediagnosics.com
Develops noninvasive measurement systems, including optical systems such as custom holographic and interferometric instruments. Specializes in structural health monitoring, non-destructive testing, and materials processing.

Falcon Rehabilitation Products

Denver
www.falconrehab.net/products/
Designs and builds high quality, innovative quadriplegic seating systems and accessories (Falcon Rehabilitation Products, LaBac Seating Systems, Gel Ovations).

C Faster Path Dx, LLC

Boulder
A functional testing service that leverages new understanding and new technologies to overcome the challenges that have previously limited functional testing.

C Firefly Medical, Inc.

Fort Collins
www.fireflymedicalinc.com
Designs and develops innovative durable medical equipment for clinical healthcare markets.

Fischer Medical Technologies, Inc.

Broomfield
www.fischermti.com
Designs, manufactures, and markets imaging systems for the screening and diagnosis of breast cancer.

C FlashBack Technologies

Longmont
www.flashbacktechnologies.com
Fast, non-invasive detection of acute blood loss volume and prediction of cardiovascular collapse in emergency situations.

Fluonic

Boulder
www.fluonic.com
Develops infusion therapy systems with disposable sensors for OEM and proprietary pumping systems.

C Footbeat

Grand Junction
www.footbeat.com
Developing a micro-mobile engine that provides cyclic thrusting pressure to the foot capillary bed at the plantar venous plexus. Footbeat applications include a range of prescriptive and elective medical therapies, athletic recovery and extended periods of sitting and immobility.

Futura Surgical, Inc.

Wheat Ridge
www.futurasurgical.com
Development, manufacture and sales of orthopedic products.

C Galaxy Ophthalmics

Denver
www.galaxy-eyes.com/
Developing technologies related to new therapies for Glaucoma, Wet and Dry Macular Degeneration and Diabetic Retinopathy.

C gaugewear

Boulder
www.gaugewear.com
Using radiometric thermometry, gaugewear is creating a wearable, non-invasive, core body temperature sensor.

GE Analytical Instruments

Boulder
www.geinstruments.com
Manufactures instruments used to measure total organic carbon (TOC) in water for pharmaceutical applications and medical research.

Genesee BioMedical, Inc.

Denver
www.geneseebiomedical.com
Manufactures cardiac surgery instruments and devices.

Gnathodontics, Ltd.

Lakewood
www.gnatho.com
Specializes in functional dentistry, advanced implant work, precision partial dentures, combination cases and metal-free fixed restorations.

Grant Dental Technology Corporation

Colorado Springs
www.grantdentaltech.com
Dental implants and surgical/restorative tools.

C Green Sun Medical

Fort Collins
www.greensunmedical.com
Develops innovative treatments to address Adolescent Idiopathic Scoliosis (AIS) through non-fusion scoliosis solutions.

Groesanoak Product Development, Inc.

Frederick
www.groesanoak.com
Creates innovative proprietary new medical devices focusing on areas of injury management, neonatal care and performance monitoring.

Hach Company

Loveland
www.hach.com
Manufactures and distributes analytical instruments and reagents used to test the quality of water and other aqueous solutions.

HEI Advanced Medical Operations

Boulder
Develops and manufactures high performance components, medical software, medical devices, and non-medical products. Produces microcircuits and subsystems for hearing and medical applications.

C High Precision Devices, Inc.

Boulder
www.hpd-online.com
Provides design engineering and manufacturing services for custom instrumentation development. Commercialized a line of quantitative MRI phantoms for standardization of scanners and protocols involved in precision medicine.

Hirsh Precision Products, Inc.

Boulder
www.hppi.com
Manufactures precision-machined and assembled components for the medical industry.

C Immunocept Medical Products, LLC

Denver
www.immunocept.com
Platform therapy for diseases of destructively amplified inflammation. The SeptiFlux™ hollow fiber membrane therapeutic blood filter has been produced as a clinical product and has IDE approval for feasibility study.

C InDevR, Inc.

Boulder
www.indevr.com
Develops and manufactures biomedical instruments including molecular diagnostic assays, virus measurement systems and detection technologies for micro-arrays.

Infinity

Larkspur
Delivers mitral valve prosthesis via catheter to treat mitral valve regurgitation (MR).

Infinity Photo-Optical Company

Boulder
www.infinity-usa.com
Manufactures long-distance and continuously-focusable microscope technology, macro systems, internal-focusing devices and other lenses.

Instec, Inc.

Boulder
www.instec.com
Manufactures precision temperature controllers and microscope hot stage systems for temperature cycling, food sciences, materials characterization, forensics, polymers and liquid crystals and microbiology.

Intelligent Imaging Innovations (3i)

Denver
www.intelligent-imaging.com
Designs and builds systems around the newest automated fluorescence microscopes and the most advanced peripheral devices.

C Jortek Surgical, Inc.

Boulder
www.jortek.com
Develops innovative orthopedic devices with a focus on joint and tissue preservation and augmentation.

C JustRight Surgical

Boulder
www.justrightsurgical.com
Developing precisely designed surgical instruments that allow access to confined spaces and often delicate structures.

C Kestrel Labs, Inc.

Boulder
www.kestellabs.com
Combines internal research and development projects with consulting and contract development of innovative, patient monitoring concepts and other medical technologies.

Lenox MacLaren Surgical Instruments

Louisville
www.lenoxmaclaren.com
Manufactures precision orthopedic and neurological surgical instruments.

Leo Technologies

Boulder
www.leo-technologies.com
Leo Technologies' hydration monitor affords simple, yet powerful biometric sensing and analytics that makes consistent monitoring care-free.

C Lifeboard

Fort Collins
Device that captures, displays and records all essential data during time-critical medical events.

C LivaNova

Arvada
www.livanova.com
Global medical device company and a leader in the treatment of cardiovascular diseases.

Logisens Corporation

Fort Collins
www.logisens.com
Develops biosensor and software technology, enabling a significant breakthrough in real-time measurement and reduction of stress.

Lumed

Denver
www.lumedscience.com
Specializes in creating medical and dental devices that integrate light sources to improve visibility in the field of work.

Magnelab, Inc.

Longmont
www.magnelab.com
Manufactures custom magnetic components (transformers/inductors) for the medical field.

C Mallinda, LLC

Aurora
www.mallinda.com
Advancing the state of polymer with the development of the first hard plastic that can be repeatedly molded and reshaped at mild temperatures.

Mayer Medical Technologies, Inc.

Grand Junction
www.mayermedical.com
Improves health and saves lives by innovating new products, providing seed capital to medical start-ups, and assisting medical professionals in developing their product ideas. Focused primarily on the development of non-pharmaceutical class I and II medical devices.

C mBio Diagnostics

Boulder
www.mbiiodx.com
Develops a low-cost, high sensitivity, multipathogen detection system for diagnostics.

C MD MedTech LLC

Englewood
www.mdmedtech.com
Developer and manufacturer of medical ultrasound imaging components and finished devices for traditional and custom applications.

Med-Botics

Colorado Springs
www.med-botics.com
Developing the ULIVE hypoxemia prevention system.

C Medical Simulation Corporation

Centennial
www.medsimulation.com
Focuses on standardizing care delivery and creating clinical and cost-control results. The portfolio of MSC's medical device industry solutions includes portable, reliable and cost-effective platforms spanning a broad range of applications, from product demonstration to full clinical in-servicing.

C Medtronic Navigation, Inc.

Louisville
www.medtronic.com
At the forefront of surgical navigation solutions, guiding the industry to a higher standard of care for several clinical specialties, including cranial neurosurgery, functional neurosurgery, spinal, ENT, joint replacement and orthopedic trauma surgeries.

Mesa Laboratories, Inc.

Lakewood
www.mesalabs.com
Provides dialysis meters and related supplies to dialysis clinics world wide.

Metabiomics

Aurora
www.metabiomics.com
Developing a non-invasive microbiome test for the earlier and more accurate detection of colon polyps and colorectal cancer. Also developing services for characterizing gut microbiome health and disease.

Metamatrix, LLC

Boulder
www.zorbent.com
Manufacturers of ZORBENT, an absorbent designed to leave no residue, reducing the risk associated with slippery surfaces. It is completely safe to use and represents no health hazard.

MFB Fertility, Inc.

Boulder
www.mfbfertility.com
Commercializing an in vitro diagnostic allowing couples to track hormone cycling involved in the ovulation process and track when a female is most fertile.

Micro Imaging Solutions, LLC (MIS)

Denver
www.micro-imaging.us
Developed an innovative, patented technology that can be utilized in the manufacture of micro-digital CMOS cameras.

Microlife Medical Home Solutions, Inc.

Golden
www.mimhs.com
Proprietary hand-held medical devices and systemic solutions offer healthcare providers evidence-based and practice-tested methods for accurate assessment, diagnosis, and treatment of cardiovascular and metabolic diseases.

C Mighty Oak Medical

Englewood
www.mightyoakmedical.com
Develops cutting-edge spinal technologies for use in spine surgery.

Mikron Corporation

Aurora
www.mikron.com
Supplies transfer machining systems for complex parts, cutting tools with high performance standards, self medication and diagnostic devices.

Mile High Ophthalmics

Aurora
Ophthalmic device for enhanced precision in cataract surgery.

Mind Studios

Colorado Springs
A full service product design and research studio housed within the University of Colorado at Colorado Springs. Offers concept generation, advanced prototyping, engineering and consumer research, human factors design and manufacturing solutions.

MuscleSound, LLC

Denver
www.musclesound.com
Developed a process to measure muscle glycogen content real time using non-invasive ultrasound technology.

NEBA Health LLC

Boulder
www.nebahealth.com
Develops neuropsychiatric medical devices, such as Neba™, an experimental, small format EEG-based device being studied under an IDE from the FDA.

Neuro Assessment Systems

Littleton
www.neuroassessments.com
Provides an objective brain-based measure of neurocognitive symptoms associated with a wide range of brain health issues including concussion and Alzheimer's disease.

Neuromonics, Inc.

Westminster
www.neuromonics.com
Manufacturers and distributes clinically proven devices to treat tinnitus. The Sanctuary provides situational relief for those suffering from mild to moderate tinnitus.

nSpire Health, Inc.

Longmont
www.nspirehealth.com
Develops, manufactures and markets respiratory care products and services focused on cardiopulmonary diagnostics, respiratory core lab services, and disease management solutions.

OcuTherix

Aurora
Non-invasive glaucoma treatment device.

OptiEnz Sensors

Fort Collins
www.optienzsensors.com
Revolutionizing measurement capabilities for organic chemical concentration; now providing continuous, real-time, in-place sensor solutions.

C Osypka Medtec, Inc.

Longmont
www.osypka-medtec.com
Works with medical device manufacturers and suppliers to manufacture innovative, quality product solutions or components for companies around the United States.

Otologics, LLC

Boulder
Develops and commercializes surgically implantable alternatives to conventional “in the ear” hearing aids.

OvaCue

Aurora
www.ovacue.com/
Manufactures the OvaCue family of ovulation prediction products.

Oval Window Audio

Nederland
www.ovalwindowaudio.com
Produces induction loop assistive listening systems and visual and vibrotactile technologies that help deaf and hard of hearing individuals.

C Panacea Infusion, LLC

Centennial
www.panaceainfusion.com
Focused on building next generation infusion pumps for the acute care and alternate site markets.

Paré Surgical, Inc.

Centennial
www.paresurgical.com
Develops surgical instruments such as the Quik-Stitch endoscopic suturing system.

Parker Medical

Highlands Ranch
www.parkermedical.com
Provides airway management products that make intubation safer for the patient and easier for the medical professional.

PCC/Advanced Forming Technology

Longmont
www.aftmim.com/
Offers thixoforming and metal injection molding for the medical device industry.

Peak Analysis & Automation Ltd.

Colorado Springs
www.paa-automation.com
Manufactures robots, special equipment, and turnkey automated systems for a variety of industries including: biotech, electronics, medical, semiconductor, etc.

Peddle Master, Inc.

Johnstown
www.peddlemaster.com
Designs and manufactures handicapped driving aids. The Peddle Master is totally portable and can be installed and removed in a matter of seconds.

Pernicka Corporation

Fort Collins
www.pernicka.com
Offers analytical testing that meets or exceeds the requirements of MIL-STD 750/883 method 1018 and 45662A.

C PharmaJet, Inc.

Golden
www.pharmajet.com
Develops a needle-free technology that has a low cost, single use, disposable polypropylene vial or cartridge, suitable for the delivery of common vaccines and standard dose injectable liquid medicines.

Phase Three Product Development

Fort Collins
www.phasethreedev.com
Technology and product development of microfluidics based devices and systems.

Porta-Lung, Inc.

Lakewood
www.portalung.com
Provides non-invasive ventilator support for long-term patients who need more portability.

C Precision Biopsy

Aurora
www.precisionbiopsy.com
In partnership with Allied Minds, developing technology for the accurate diagnosis of prostate cancer which uses advanced spectroscopy imaging techniques in combination with tissue biopsy.

Preferred Medical Products, Inc.

Englewood
www.preferredmedicalproducts.com
Manufactures stainless steel medical components for hypodermic needles and lancet type products.

Prescott's, Inc.

Monument
www.surgicalmicroscopes.com
Provides reconditioned operating microscopes and allied accessories that function as intended by the original equipment manufacturer.

C Prima-Temp, Inc.

Boulder
www.prima-temp.com
Innovative biometric approaches to early disease detection and reproductive medicine through the application of 21st century thermometry.

Products Group International, Inc.

Lyons
www.productsgroup.com
Researches, develops and engineers ultrasound medical and veterinary equipment.

Propel Labs, Inc.

Fort Collins
www.propel-labs.com
Designing the next generation of bio-instrumentation tools. Focused on research tools, such as single cell analyzers and cell sorters.

ProTechSure Scientific, Inc.

Aurora
Dedicated to providing scientifically validated skin protection.

Protomed, Inc.

Denver
www.protomed.net
Creates accurate anatomical models from CT scans by using the latest imaging software and laser driven technology.

Prototype Casting, Inc.

Denver
www.protcast.com
Manufactures non-ferrous prototype parts for the medical industry, specializes in RPM (Rubber Plaster Mold) casting, sand casting and rapid investment casting.

Purewater Therapeutics

Longmont
www.purewater-therapeutics.com
Develops products and technologies that simplify the delivery of medical fluids.

QuSpin, Inc.

Louisville
www.quspin.com
Develops very high performance atomic sensors.

Radiological Imaging Technology, Inc.

Colorado Springs
www.radimage.com
Provides clinical and research physicists with a high precision automated QA tool for advanced radiation therapies.

Rand-Scot, Inc.

Fort Collins
www.randscot.com
Designs and manufactures products for persons with disabilities including BBD Cushions and Mattress Overlays, EasyPivot Patient Lifts, and Saratoga Exercise Products.

Research Electro-Optics

Boulder
www.reoinc.com
Volume manufacturer of high precision thin film coatings, optics and optomechanical assemblies for the ultraviolet through the long-wave infrared.

Respirogen

Boulder
www.respirogen.com
Developing a novel therapeutic oxygen delivery system, stabilizing and delivering oxygen for numerous medical applications.

Rocky Mountain Instrument Company (RMI)

Lafayette
www.rmico.com
Designs and manufactures optics and coatings (ultraviolet through far infrared) for the medical industry.

Rocky Mountain Orthodontics, Inc. (RMO)

Denver
www.rmortho.com
Serves all areas of orthodontics including pediatric orthodontic prevention, interceptive pediatric orthodontics, mixed dentition orthodontics, adult orthodontics, reconstructive dentistry orthodontics, TMJ orthodontics, surgical orthodontics and breathing/sleep problem related orthodontics.

Sandhill Scientific

Highlands Ranch
www.sandhillsci.com
Designs, manufactures and distributes diagnostic products focused on gastroenterology.

Sapien LLC

Fort Collins
www.sapienllc.com
Aims to enhance the human experience by providing innovative solutions to human problems using sensory substitution, human-machine interfaces, and human-machine integration.

C Sapphire Technology, LLC

Denver
www.sapphire-technology.com
The SGS Instrument line is developed specifically to overcome the inherent composite adhesion and pullback issues associated with other composite instruments currently at market in the dental field.

Sartorius TCC

Arvada
www.sartorius.us
Designs and manufactures analytical balances, electrochemistry instruments, moisture analyzers, and titration controllers.

Science Care

Denver
www.sciencecare.com
Provides human tissue for medical research and education.

Scientech, Inc.

Boulder
www.scientech-inc.com
Manufactures analytical instruments: semi-micro balances, analytical balances, semi-analytical balances, and toploading balances for the medical industry.

C Securisy Medical

Highlands Ranch
www.securisy.com
Developing a safer system for delivering life-sustaining oxygen to mechanically ventilated patients.

Shape Ophthalmics LLC

Aurora
Develops state of the art devices and novel treatments for ophthalmic conditions through the application of advanced smart materials.

C Sharklet Technologies, Inc.

Aurora
www.sharklet.com
Engineers surface technologies (Sharklet™) that controls the growth of dangerous bacteria.

C Shippert Medical Technologies

Centennial
www.shippertmedical.com
Manufactures and distributes medical disposable products and instruments.

Sinopsys Surgical

Boulder
www.sinopsysurgical.com
Lacrimal Sinus Diversion offers functional therapy for sufferers of chronic sinusitis with minimal response to current pharmaceutical and surgical options.

C SI-Technology, LLC

Fort Collins
www.si-technology.co
Orthopedic medical device company developing new techniques and implants as part of the patent pending SI-DESIS™ Sacroiliac Joint Implant System to help assist physicians address the need for treatment, fixation and proper fusion of painful and dysfunctional sacroiliac joints (SIJ).

C Siva Therapeutics, Inc.

Boulder
www.sivatherapeutics.com
Commercializes a proprietary therapeutic device technology, based on gold nanorods, that can be used both independently, and in conjunction with existing and new cancer drugs.

C Snoasis Medical

Denver
www.snoasismedical.com
Focused on the development and commercialization of regenerative tissue and medical device products for use in dental surgery.

Solo-Dex

Boulder
www.solo-dex.com
Developed the Fascile, which allows for a continuous peripheral nerve block in less than 5 minutes.

C SomaLogic, Inc.

Boulder
www.somallogic.com
Uses aptamer array technology and bioinformatics capabilities to discover disease-specific biomarkers and protein signatures. Develops medical diagnostics based on these signatures.

Sonaura

www.mysonaura.com
Fort Collins
Developed an electronic two way communication system between patient and doctor, which represents a major advance in IVF treatment allowing women undergoing IVF treatment to perform their sonograms at home during the follicle stimulation cycle.

Sound Surgical Technologies, LLC/Solta Medical, Inc.

Louisville
www.vaser.com
Offers ultrasonic technologies and related techniques for aesthetic surgery.

C Spectranetics Corporation

Colorado Springs
www.spectranetics.com
Develops, manufactures, markets and distributes single-use medical devices used in minimally invasive procedures within the cardiovascular system.

ST Cardio Technologies, LLC

Broomfield
Designs, develops, and manufactures electronic medical devices for use in electrophysiology cardiac cath labs.

St. Renatus, LLC

Fort Collins
www.st-renatus.com
First needle-free, dental anesthetic suitable for use in procedures involving most of the upper teeth. Uses an accurate and sophisticated method to anesthetize the upper teeth without the risk and pain of a needle.

StnDrd Infusion

Parker
www.stndrdinfusion.com
Early-stage medical device company in the drug infusion market with a standardized pump capable of performing the product requirements currently met by syringe, cassette, and ambulatory pump configurations.

C Subwave Sensing

Aurora
www.subwavesensing.com
The future of fracture care giving the orthopedic hardware market an infusion of intelligence.

Sundance Diagnostics, Inc.

Boulder
www.sundancedx.com
Working to develop the world's first genetic safety tests to predict a patient's risk of antidepressant-induced suicidal thinking or behavior.

Sunrise Medical, Inc.

Longmont
www.sunrisemedical.com
Provides home healthcare products including wheelchairs, respiratory, daily living aids, and speech augmentation devices.

Supreme Cable Technologies, Inc.

Denver
www.supremecable.com
Manufactures quality custom cable assemblies and wire harnesses.

C Surefire Medical, Inc.

Westminster
www.surefiremedical.com
Developing advanced liver cancer infusion systems that overcome the limitations of traditional tools and delivery methods.

SurgiReal Products

Fort Collins
www.surgireal.com
Creates and introduces innovative products and methods for surgical training.

Swan Valley Medical, Inc.

Aurora
www.swanvalleymedical.com
Developed a line of urology instruments that allow for safer, faster, and more economical treatment of common urological disorders.

C Symbios Technologies, Inc.

Fort Collins
www.symbiosplasma.com
Commercializing an aqueous plasma disinfection and advanced oxidation technology platform with applications in fluid purification, plasma medicine, and specialty manufacturing to improve human and environmental health as well as the economics and sustainability of food and beverage, agricultural, energy, and pharmaceutical production processes.

Tapeless Wound Care Products, LLC

Englewood
Manufactures and distributes a system of patented secondary wound dressing retention devices, offering an alternative to traditional secondary wound dressings, for both humans and animals.

Tartan Orthopedics, Ltd.

Northglenn
www.tartanortho.com
Manufactures sacro lumbar belts, dorsal lumbar belts (corsets and moldable inserts), Ottenberg style elbow splint, pelvic traction belts, arm slings, cervical collars, acromioclavicular splints, and ankle supports.

TDA Research, Inc.

Wheat Ridge, Golden
www.tda.com
Provides automated catalyst testing equipment to large chemical companies and national laboratories.

TeraBAT

Longmont
www.terabat.com
Developing a disruptive detection platform based on terawaves technologies that will revolutionize disease diagnosis and patient care.

C Terumo BCT

Lakewood
www.terumobct.com
A global leader in blood component and cellular technologies, it is the only company with the unique combination of apheresis collections, manual and automated whole blood processing, and pathogen reduction coupled with leading technologies in therapeutic apheresis and cell processing.

TheraTogs, Inc.

Telluride
www.theratogs.com
Produces an orthotic undergarment and strapping system that gives clients with sensorimotor impairment a new modality for improving postural alignment and stability.

Thinklabs Medical, LLC

Centennial
www.thinklabs.com
Creates digital stethoscopes, including One, the smallest, most powerful stethoscope in the world.

Tissue Fusion, LLC

Colorado Springs
Laser-based medical devices to fuse biological tissue together as an alternative to sutures or staples.

TopoGen

Buena Vista
www.topogen.com
A research diagnostics company that provides innovative products and services for researchers working with topoisomerases and engaged in mechanism based drug discovery and development.

Touch of Life Technologies, Inc. (ToLTech)

Aurora
www.toltech.net
Develops procedural simulators in the areas of orthopedics, gastroenterology, rheumatology, radiology, ophthalmology, and general surgical procedures.

Transtracheal Systems, Inc.

Englewood
www.tto2.com
Develops and manufactures innovative respiratory therapy products that advance medical therapy for persons requiring continuous supplemental oxygen, including the SCOOP transtracheal oxygen therapy system.

C Trans1

Denver
www.trans1.com
Seeks to develop and commercialize elegant and minimally-invasive surgical solutions to address spinal pathologies.

C Transverse Medical, Inc.

Evergreen
www.transversemedical.com
Developing the POINT-GUARD™ Embolic Protection System for cerebral and distal embolic protection during cardiovascular percutaneous interventions and surgical procedures.

TRS, Inc.

Boulder
www.trsprosthetics.com/
Develops, manufactures, and markets body-powered prosthetic devices. Designs and builds technology for persons missing hands.

Ultrathera Technologies, Inc.

Colorado Springs
www.ultrathera.com
Applying advanced technologies to physiological and neurological needs. Maker of AeroStim™ and PointScribe™.

C Value Plastics, Inc. (Nordson Medical)

Fort Collins
www.valueplastics.com
Designs and manufactures plastic tubing fittings and connectors.

C Veramarx, Inc.

Aurora
www.veramarx.com
Focus to become the leading provider of credible clinical and scientific information, reliable and accurate diagnostic tools and effective treatment options for Lyme disease.

Vista LifeSciences

Parker
www.vistalifesciences.com
Innovative healthcare technology solutions for global healthcare challenges.

C Vitan-Biotech, LLC

Aurora
www.vitan-biotech.com
Specializes in the development and commercialization of life science instrumentation, novel biosensing systems and diagnostic devices.

WalkMed Infusion, LLC

Englewood
www.walkmed.net
Offers solutions for ambulatory infusion therapy and pain management.

Wi LLC

Englewood
www.wiinc.net
Designs and engineers medical devices, including innovative services such as laser welding, assay design, and air bubble management.

Ximedix, Inc.

Colorado Springs
www.ximedix.com
Manufactures and sells single patient use medical products for the anesthesia, respiratory care, critical care and emergency medicine applications.

Yamato Corporation

Colorado Springs
www.yamatocorp.com
Manufactures and sells weighing equipment and systems for medical facilities.

C Zimmer Biomet

Broomfield
www.zimmerbiomet.com
Leading medical device manufacturers, Zimmer and Biomet, join to offer innovative orthopedic medical devices and joint replacement.

Zynex Medical, Inc.

Lone Tree
www.zynexmed.com
Offers electrotherapy products, utilizing various methods of non-invasive muscle stimulation and electromyography technology, Interferential Current (IFC) and Transcutaneous Electrical Nerve Stimulation (TENS).

BIOTECHNOLOGY, PHARMA AND RELATED**C AbbVie**

Austin, TX
www.abbvie.com
Combines advanced science with expertise to make strides in drug and treatment discovery.

C Accera, Inc.

Broomfield
www.accerapharma.com
Developed Axona, the first proprietary commercialized Alzheimer's disease therapy that address the well recognized physiological hallmark and metabolic defect of hypometabolism, the brain's inability to optimally metabolize glucose.

ADA Technologies, Inc.

Littleton
www.adatech.com
Development and commercialization of innovative technologies.

C Agilent Nucleic Acid Solutions

Boulder, Frederick
www.agilent.com
Develops and manufactures therapeutic oligonucleotide.

AKTIV-DRY

Boulder
www.aktiv-dry.com
Provides dry powder processing solutions for the vaccine, pharmaceutical, and biotechnology industries.

C Allander Biotechnologies

Aurora
Developing novel therapeutics for oral mucositis.

Allergan, Inc.

Highlands Ranch
www.allergan.com
Multi-specialty health care company focused on discovering, developing and commercializing innovative pharmaceuticals, biologics, medical devices and over-the-counter consumer products.

C Allergy Solutions

Erie
www.symbiaallergy.com
Symbia offers a system, to organize, streamline and simplify the delivery of allergy care for non-allergists.

American Allied Biochemical, Inc.

Aurora
www.aablabs.com
Specializes in the purification and distribution of restriction endonucleases enzymes.

C Amgen, Inc.

www.amgen.com
Discovers, develops, manufactures and markets human therapeutics based on advances in cellular and molecular biology.

C AmideBio, LLC

Boulder
www.amidebio.com
Focused on providing peptide and protein research reagents and clinical products for a diverse array of research and commercial targets using proprietary Biopure-Process™ technology.

C Ampio Pharmaceuticals, Inc.

Greenwood Village
www.ampiopharma.com
Development-stage biopharmaceutical company focused on the discovery and development of novel therapies aimed at treating common inflammatory conditions for which there are limited treatment options.

Anabolic Laboratories

Colorado Springs
www.anaboliclabs.com
Focused line of nutritional products.

C AntriaBio

Denver
www.antriabio.com
Lead diabetes product candidate, AB101, is a once-a-week injectable basal insulin that is currently in preclinical development.

C ApopLogic Pharmaceuticals, LLC

Aurora
www.apoplogic.com
Focused on the discovery, development, and commercialization of therapeutic products that target apoptotic cell death pathways found in cancers, leukemias and lymphomas.

Aquatic BioSystems

Fort Collins
www.aquaticbiosystems.com
Full-service organism culturing facility specializing in the production and distribution of freshwater and marine organisms for aquatic toxicology, biomonitoring and other research activities.

C ARCA biopharma, Inc.

Broomfield, Aurora
www.arcabiopharma.com
Specializes in developing and commercializing genetically-targeted therapies for heart failure and other cardiovascular diseases.

C Array BioPharma

Boulder, Longmont
www.arraybiopharma.com
Discovers, develops and commercializes targeted small molecule drugs to treat debilitating and life-threatening diseases such as cancer.

C AstraZeneca

Boulder, Longmont
www.astrazeneca.com
Global, innovation-driven biopharmaceutical business that focuses on the discovery, development and commercialization of prescription medicines, primarily for the treatment of cardiovascular, metabolic, respiratory, inflammation, autoimmune, oncology, infection and neuroscience diseases.

C Atara Biotherapeutics

Aurora
www.atarabio.com
Focused on developing meaningful therapies for patients with severe and life-threatening diseases. Product candidates: (a) allogeneic or third-party derived antigen-specific T-cells, and (b) molecularly targeted biologics.

C Atlas Biologicals, Inc.

Fort Collins
www.atlasbio.com
Manufacture, market and distribute animal sera and cell culture reagents.

Aurogen

Fort Collins
Produces a pharmaceutical treatment for diabetic neuropathy, with a second invention showing that neurotrophic hormones can act across the blood-brain barrier to treat various brain disorders.

Aurora Oncology

Aurora
Researching DT-EGF Toxic Fusion Protein for treatment of bladder cancer.

C Avidity, LLC

Aurora
www.avidity.com
Develops and sells molecular affinity tools for connecting molecules.

C Aytu BioScience

Englewood
www.aytubio.com/
Specialty healthcare company focused on developing and commercializing novel products in the field of urology.

BaroFold, Inc.

Aurora
www.barofold.com
Pressure Enabled Protein Manufacturing (PreEMT™) technology to improve the tolerability, efficacy and safety of a wide variety of protein therapeutics for bio-pharmaceutical companies, research institutions, and government agencies.

C BioResponse, LLC

Boulder
www.bioreponse.com
Researches, develops and commercializes dietary supplements for better absorption and functional foods.

BioServe Space Technologies

Boulder
www.colorado.edu/engineering/BioServe
Specializing in conducting microgravity life science research and designing and developing space flight hardware.

Biosyntx, Inc.

Colorado Springs
www.biosyntx.com
Develops nutraceuticals to address the micronutrient needs of the dry eye, cataract, macular degeneration, glaucoma and diabetic retinopathy patient.

C Bio-Techne

Littleton
www.novusbio.com
Develops, tests and markets antibodies for research of human diseases such as cancer, cardiovascular and neurological disorders.

Bolder BioTechnology, Inc.

Boulder
www.bolderbio.com
Uses advanced protein engineering technologies to create proprietary human protein pharmaceuticals with enhanced therapeutic properties.

Boulder Scientific Company

Mead
www.bouldersci.com
Provides organometallic compounds to the pharmaceutical, polymer, and specialty chemical industries.

C Brickell Biotech, Inc.

Boulder
www.brickellbio.com
A clinical-stage pharmaceutical company focused on the development of innovative and differentiated therapeutics for the treatment of skin diseases.

C Bristol-Myers Squibb

www.bms.com
A global BioPharma company firmly focused on its mission to discover, develop and deliver innovative medicines to patients with serious diseases.

CariCord

Aurora
www.caricord.com
Processing and storage of umbilical cord blood & stem cell products available, anywhere in the world.

C CBL (Chemical and Biopharmaceutical Laboratories)

Boulder
www.cblbiopharma.com
Offering peptide starting materials, peptide intermediates, and industrial and commercial-scale manufacturing of proprietary and generic GMP and non-GMP peptides.

Cell>Point

Centennial
www.cellpointweb.com
Develops novel radiopharmaceutical imaging agents, radiotherapeutic agents and local regional radio/chemotherapeutic drug delivery systems for the diagnosis, treatment and post therapy assessment of cancer, cardiovascular disease, infectious disease and metabolic diseases.

C Cerebral Therapeutics

Aurora
www.cerebraltherapeutics.com
Combines advanced micro-dosing technology with proprietary medications to precisely deliver treatments to the other side of the blood-brain barrier to improve the lives of patients with uncontrolled neurological disease.

C Cereon Biotechnology, LLC

Fairbanks, AK
www.cereonbiotech.com
Develops novel, epigenetic intervention and prevention strategies to protect or rescue cognitive health of the aging and diseased central nervous system by blunting inflammatory and oxidative stress through functional foods and medical foods obtained from the pharmacopia of the boreal forest and the arctic tundra and to create phytochemical-inspired proprietary lead compounds.

C Cetya Therapeutics, Inc.

Fort Collins
www.cetyatherapeutics.com
Commercializes analogs of the class I isoform selective histone deacetylase inhibitor (HDACi) largazole, targeting unmet medical needs, especially in oncology, neurodegeneration, autoimmunity, and hemoglobinopathies.

Cévan International, Inc.

Longmont
www.cevan.com
Delivers vitamins, minerals and botanical extracts, as well as specialty nutraceutical formulations and antioxidants.

C CHATA Biosystems

Fort Collins
www.chatasolutions.com
Manufactures blended reagents, HPLC mobile phases, standards, buffers and dissolution media.

C CHD Bioscience, Inc.

Fort Collins
www.chdbioscience.com
Creates novel antimicrobials for the prevention and treatment of infectious disease.

Click Nucleic Acids, Inc.

Boulder
www.clicknainc.com
Combining thiol-ene-based click chemistry and oligonucleotide synthesis to produce a new class of oligonucleotide and polynucleotide derivatives.

C ClinImmune Labs

Aurora
www.clinimmune.com
Comprises five laboratories to provide services to kidney, heart, lung, pancreas, and hematopoietic stem cell transplant programs around the world.

C Clovis Oncology, Inc.

Boulder
www.clovisoncology.com
Focused on acquiring, developing and commercializing innovative anti-cancer agents in the US, Europe and additional international markets.

Colorado Biolabs, Inc.

Frederick
www.proferrin.com
Manufactures an oral iron supplement made from heme iron polypeptide (HIP). Our proprietary process results in an oral iron product that provides an optimal amount of HIP in a single tablet.

C Colorado Histo-Prep (CH-P)

Fort Collins
www.histoprep.com
Produces high quality slides, clinical chemistry and hematology data and fully integrated and detailed seamless pathology reports.

C Corden Pharma

Boulder
www.cordenpharmacolorado.com
Corden Pharma Colorado is the small to large-scale resource for peptides manufacturing.

C Crestone, Inc.

Boulder
www.crestonepharma.com
Drug discovery and development company focused on developing novel treatments for serious bacterial infections.

Cytoskeleton, Inc.

Denver
www.cytoskeleton.com
Offers kits for drug screening, signal transduction and cytoskeletal research specializing in the production of purified proteins and easy-to-use kits to study biochemical and cellular processes.

C DMC

Boulder
www.dmcbio.com
DMC engineers microbes for the production of a broad diversity of high-value products with development costs and timelines that are more than 100x improved over the state of the art.

ELISA Tech

Aurora
www.elisatech.com
Provides immunoassays for the measurement of cytokines, growth factors, and lipid inflammatory mediators.

Entero Track

Centennial
Next generation monitoring of gastrointestinal allergic diseases.

C FindCure.Org

Aurora
www.findcure.org
Focuses on immunotherapeutic compounds that fight disease by enhancing the immune system rather than directly attacking the disease.

C Flagship Biosciences

Westminster
www.flagshipbio.com
Computational Tissue Analysis (cTA™) platform provides the quantitative, contextual tissue interpretation necessary to make timely decisions at all stages of the clinical trial.

C FluoroFinder LLC

Broomfield
www.fluorofinder.com
Software as a Service (SaaS) experiment design tool for flow cytometry, that dramatically improves a medical researcher's productivity and quality, while reducing costs.

FluTrends International/ STS Health

Denver/ Aurora
www.stshealth.com
Develops and commercializes products for the prevention of influenza.

C Gates Biomanufacturing Facility

Aurora
www.gatesbiomanufacturing.com
Helps clients accelerate the translation of their discoveries into human clinical trials as efficiently and cost effectively as possible.

C GENASSIST, Inc.

Greenwood Village
www.genassistabcs.com
A preconceptional, prenatal and pediatric service business that provides consulting services to patients referred by healthcare providers to help the patient interpret laboratory test results and develop a management plan.

C GeneBiologics

Boulder
www.genebiologics.net
Develops sustainable energy and renewable resources including developing biological hydrogen sensors in order to improve solar hydrogen fuel production from algae and photosynthetic bacteria.

C Genentech

Denver
www.gene.com
Using human genetic information to discover, develop, manufacture and commercialize medicines to treat patients with serious or life-threatening medical conditions.

Genesis Laboratories, Inc.

Wellington
www.genesislabs.com
Provides services to clients in the agrochemical and pharmaceutical industries, rodenticide research and development, as well as invasive species, zoonotic disease, and conservation research.

GeneThera, Inc.

Westminster
www.genethera.net
Develops and markets the latest molecular technologies to eradicate "cross over" diseases such as John's Disease, Mad Cow Disease, Chronic Wasting Disease, and E.coli. Develops assay tests and vaccines to eradicate the threat to humans of diseases transmitted up the food chain by cattle, elk and deer.

C Genovus Biotechnologies, Inc.

Louisville
Develops biophysical medicine-based treatments for neuromuscular conditions. Its lead developmental product is a non-invasive, neuromodulating medical device for the treatment of functional symptoms of multiple sclerosis.

C GlaxoSmithKline

Denver
www.gsk.com
Produces medicines that treat six major disease areas – asthma, virus control, infections, mental health, diabetes and digestive conditions as well as vaccines and new treatments for cancer.

GlobeImmune, Inc.

Louisville
www.globeimmune.com
Discovers, develops and manufactures potent, targeted molecular immunotherapies called Tarmogens, targeted antigens that distinguish diseased cells from normal cells, for the treatment of cancer and infectious diseases.

Great Lakes Pharmaceuticals

Denver
Development leading to commercialization of innovative, effective products for prevention of catheter related microbial infections in clinical and in outpatient settings.

Greffex, Inc.

Aurora
www.greffex.com
Global leader in the delivery of accelerated pandemic and bio-terror vaccines using the world's first universal platform, the GREVAX™ Vaccine Platform.

HemoGenix

Colorado Springs
www.hemogenix.com
Assay development laboratory specializing in developing predictive in vitro assay platforms for primary human and animal target cells and stem cell hemotoxicity testing.

C HepQuant, LLC

Aurora
www.hepquant.com
HepQuant-E is non-invasive, uses stable (not radioactive) isotopes, and relies on natural, well-defined hepatic functions to measure the portal circulation.

Hiberna Corporation

Boulder
Pursuing the potential clinical application of hibernation in order to slow metabolism, thereby extending survival limits in traumas that reduce oxygen to certain cells, e.g. in the heart and brain.

C Hospira, Inc.

Boulder
www.hospira.com
Supplies injectable generic and specialty pharmaceuticals. The Colorado site specializes in the supply of active pharmaceutical ingredients for both internal and external markets.

C i2 Pharmaceuticals, Inc.

Boulder
Creates tools for pharmaceutical drug discovery and development; in addition to proprietary medicinal chemistry services for the expansion of intellectual property protection of early- late-stage pharmaceutical assets.

C IASO Biomedical, Inc.

Centennial
www.iasobiomedusa.com
Developing a drug as an alternative to currently-available testosterone replacement therapy by stimulating the body's own production of testosterone.

C ICVrx, LLC

Denver
Creating a new treatment category for epilepsy by reformulating drugs for brain delivery administered through implantable pumps. Site specific computerized drug delivery is promising for improving epilepsy therapy in a significant proportion of refractory patients.

C Immunoah Therapeutics

Aurora
www.immunoah.com
Focuses on researching and developing proprietary antibodies in the field of cancer immunotherapy.

C ImmunoMolecular Therapeutics

Aurora
www.imtherapeutics.com
ImmunoMolecular Therapeutics is a private clinical stage biotech company developing a therapeutic approach for the treatment of Type I Diabetes.

imuTek Laboratories, Inc.

Fort Collins
www.imutek.com
Develops and markets bovine colostrums for the nutrition and health products industry. Indication for colostrum for the passive transfer of antibodies (immunoglobulins) in dry powder form.

C InDevR, Inc.

Providing progressive analytical technologies that enhance and accelerate vaccine characterization and production. The company is also committed to developing next-generation diagnostic products that will enable unprecedented tracking of seasonal and emerging influenza viruses around the globe.

- C Ingenovax**
Broomfield
Developing two novel immunotherapies for medullary thyroid cancer and one prescription eye-drop for ocular surface neoplasms.
- Integrated Molecular Diagnostics Pathology, Inc.**
Aurora
www.imdpath.com
Solves problems presented by non-targeted cancer care by providing oncologists and pathologists with advanced genomic testing as a means of targeting cancer care based on the detection and identification of abnormalities that may be found in cancerous tumors.
- C Invenux LLC**
Windsor
Research and development for orphan diseases.
- InVitria**
Fort Collins
www.invitria.com
Develops, manufactures and markets a portfolio of high performance and well defined cell culture products and reagents used in bio-processing, biopharmaceutical formulation, stem cell & regenerative medicine, life science research and diagnostics.
- JHPIEGO-Denver**
Aurora
www.jhpiego.org/
Designing and implementing effective, low-cost technologies – first product aimed at improving the management of postpartum hemorrhage.
- C Johnson & Johnson**
Denver
www.jnj.com
Manufactures a broad selection of health care products, as well as a provider of related services, for the consumer, pharmaceutical, and medical devices and diagnostics markets.
- Kimball Genetics, Inc.**
Denver
www.kimballgenetics.com
Genetic testing laboratory specializing in DNA analysis for common genetic disorders that are preventable or can be treated.
- C KromaTid, Inc.**
Fort Collins
www.kromatid.com
Develops a method and kit using chromatid paints to improve detection of chromosomal inversions. The improvement is important to medical applications such as cancer and birth defects.
- C LABS, Inc.**
Denver
www.labs-inc.org
Provides laboratory testing services focused on donor eligibility determination and final product safety; infectious disease, microbiology, histocompatibility and environmental monitoring.
- Legacy BioDesign, LLC**
Johnstown
www.LegacyBioDesign.com
Conducts peptide and protein formulation and assay development work for biopharma companies. The company also specializes in drug delivery and process development of biotechnology-based products.
- Lohocla Research Corporation**
Aurora
www.lohocla.com
Research & development company that is at the forefront of discovery of medications for chronic pain, addictive and other mental health and neurological disorders.
- C Loxo Oncology**
Aurora
www.loxooncology.com
Innovating the development of highly selective medicines for patients with genetically defined cancers.
- C Machavert Pharmaceuticals**
Aurora
www.machavert.com
Develops a new class of immunotherapies to help the human body to fight various diseases, such as cancer or autoimmune disorders.
- C MBC Pharma, Inc.**
Aurora
www.mbcpharma.com
Biopharmaceutical company focused on discovering and developing drugs for bone diseases such as cancer and osteoporosis.
- Mediral International, Inc.**
Denver
www.mediral.com
Develops, manufactures and sells homeopathic pharmaceuticals taking into consideration antidotes.
- C MenoGeniX**
Aurora
www.menogenix.com
Clinical stage biotech company developing MNGX-100, a therapeutic biologic, as a novel, non-hormonal, non-SSRI/SNRI, alternative to treat hot flashes and related vasomotor symptoms in women with natural or surgically-induced menopause.
- C Merck & Co., Inc.**
Denver
www.merck.com
Produces products that cover a broad range of areas, including heart and respiratory health, infectious diseases, sun care and women's health. Focusing their research on conditions that affect millions of people around the world – diseases like Alzheimer's, diabetes and cancer – while building strengths in new areas like biologics.
- C MI Innovations**
Aurora
Provides affordable chemical and biochemical research & development services, custom equipment and equipment modification, prototyping, short run/one off manufacturing and technical/scale-up/production consultation for startup companies to large corporations.
- C miRagen Therapeutics**
Boulder
www.miragentherapeutics.com
Improves patients' lives by developing innovative microRNA (miRNA) based therapeutics for the treatment of cardiovascular and muscle disease. miRNAs are a recently discovered class of small RNAs encoded in the genome, and are short, single-stranded RNA molecules.
- Molecular BioSciences, Inc.**
Boulder
www.molbio.com
Manufactures products such as water soluble biotinylation reagents, vitamin derivatives, crosslinking reagents, lipophilic probes, fluorophores, radioiodination reagents, and dendritic cores for preparing oligomers.
- MonImmune Therapeutics**
Fort Collins
Developing a pipeline of repurposed compounds focused on monocyte regulation as vaccine adjuvants.
- C Montana Molecular**
Bozeman, MT
www.montanamolecular.com
Fluorescent technologies for drug discovery in living cells.
- C Mosaic Biosciences**
Denver, Aurora
www.mosaicbio.com
Focused on the development of innovative materials for tissue regeneration and repair.
- C Mother's Milk Is Best**
Fort Collins
www.mothersmilkisbest.com
Developed Human Milk Concentration (HMC) - advanced filtration technology that produces pure, concentrated mother's milk containing the native essential human proteins, beneficial nutrients and immune factors that promote optimal neonate growth and play a profound role in the survival & health of a newborn.
- C Muse Biotechnology, Inc.**
Boulder
www.musebio.com
Muse's foundational CREATE technology is a synthetic biology platform that scales directly with oligo synthesis, enabling in vivo DNA synthesis at 100X lower cost than state of the art. Muse intends to develop and deploy an automated device that allows labs around the world to adopt the CREATE paradigm for genome engineering.
- C Nanoly Bioscience, Inc.**
Denver
www.nanoly.info
Developing a safe and proprietary polymer encapsulation to stabilize and protect therapeutic biological molecules, such as vaccines and enzymes, from below freezing to beyond tropical room temperatures.
- Nanosonic Bioreagents LLC**
Boulder
Specializes in manufacturing a unique class of reagents with applications in sample prep for high-throughput DNA sequencing, medical imaging, and clinical therapy in conjunction with chemotherapy and ablation therapy.
- NanoSphere Health Sciences**
Greenwood Village
www.nanospherehealth.com
Created an advanced delivery system platform to change the way people take and benefit from nutraceutical supplements and medications.
- C Neuraptive**
Winter Park
www.neuraptive.com
Development-stage surgical product company bringing to market a surgical therapeutic kit to repair injured peripheral nerves.
- C New Terrain Brewing Co.**
Golden
www.newterrainbrewing.com
Science-based brewing in Golden, Colorado, with a full QA/QC lab onsite.
- NextHerbal Labs, LLC**
Aurora
Dedicated to enhancing human health and wellbeing by formulating and launching a line of nutraceutical products including phytochemicals.
- C Novartis Pharmaceuticals Corporation**
Broomfield
www.novartis.com
Researches and develops products to protect and improve health and well-being with core businesses in pharmaceuticals, vaccines, consumer health, generics, eye care and animal health.
- C Novo Nordisk**
Colleyville, TX
www.novonordisk.com
A global healthcare company with more than 90 years of innovation and leadership in diabetes care.
- C Ocugen**
Aurora
www.ocugen.com
Exclusively licensed two novel biological molecules which have the ability to improve patient outcomes in a number of retinal disorders including Retinitis Pigmentosa (RP), Geographic Atrophy (GA), and other neurodegenerative diseases as well as wet age-related macular degeneration (Wet AMD), Diabetic Retinopathy (DR), and other neovascular diseases.
- Omix Technologies**
Aurora
- OncInnovations**
Boulder
- OncoTherix**
Aurora
Focused on the development of InCell-RT (Intracellular radiotherapy) for the treatment of locally-advanced cancers (LACs). InCell-RT is a unique, DNA-ligated, nanometer-scale intracellular radiotherapy with the potential to selectively kill cancer cells without causing damage to surrounding healthy tissue and without the development of treatment resistance.
- OnKure**
Longmont
www.onkuretherapeutics.com
Engaged in the discovery and development of epigenetic therapies for the treatment of cancer that include selective inhibitors of histone deacetylases (HDACs).
- Pambec Laboratories, Inc.**
Loveland
Researches drug discoveries in the field of AIDS.
- C Pathways Bioscience, Inc.**
Aurora
www.pathwaysbio.com
Focused on discovering and developing new agents for modifying gene expression and regulating stress response pathways that contribute to cell defense mechanisms.
- Peak Analytical, Inc.**
Golden
www.peaklab.net
Specializes in materials and chemical analysis. Performs a variety of molecular and atomic level spectroscopic techniques to identify failures and defects.
- Peak Pharmaceuticals, Inc.**
Aurora
www.peakpharma.com
Specializes in the development, manufacturing, sales and marketing of pharmaceutical-grade, hemp-based nutraceutical and supplement products for the human and animal health markets.
- PeptiVir**
Aurora
www.site.peptivir.com
Focused on the development and commercialization of a conformationally-constrained, synthetic peptide-based vaccine platform for the prevention of viral diseases.
- C Pfizer Pharmaceutical Company**
Centennial
www.pfizer.com
Discovers, develops, manufactures, and markets prescription medicines for humans and animals.
- PhosphoSolutions, LLC**
Aurora
www.phosphosolutions.com
Designs and produces phosphoproteins solutions using phosphor-specific antibodies. Phosphoproteins are thought to be critical elements in neurological diseases such as Alzheimer's and in cancer.
- Plura Biosciences, Inc.**
Lafayette
www.plurabioscience.com
Specialized catalysts and chemicals that enable highly efficient, cost effective and green chemistry solutions in the manufacture of important life science products.
- C Pyxant Labs, Inc.**
Colorado Springs
www.pyxant.com
Provides GLP regulatory bioanalytical support for non-clinical through clinical development programs. Specialties include rare tissues, RNA and oligonucleotide therapeutics, nucleoside antivirals, and agricultural and industrial biotech applications.
- Quark Pharmaceuticals, Inc.**
Boulder
www.quarkpharma.com
Discovers and develops siRNA drug candidates for treating Age-related Macular Degeneration and prevention of Acute Renal Failure.
- Quicksilver Scientific**
Lafayette
www.quicksilverscientific.com
Clinical and environmental mercury lab and dietary supplement manufacturing.
- Recreo Pharma**
Aurora
www.recropharma.com
Develops resistance-modifying agents to combat antibiotic resistance.
- Regenerative Sciences, Inc.**
Broomfield
www.regenexx.com
Advances stem cell therapies through development of Regenexx™, an injection procedure to treat a wide variety of painful conditions.
- Renaptys Vaccines, LLC**
Aurora
www.renaptys.com
Developing innovative Stable Peptide Immunogen (SPI) platform that targets α-helical epitopes, initially, fusion receptors on viruses.
- Rocky Mountain Biosystems, Inc.**
Wheat Ridge
Research and development of transdermal pharmaceuticals and delivery systems, cosmetic devices, and tissue adhesives.
- Rocky Mountain Diagnostics, Inc.**
Colorado Springs
www.rmdiagnosics.com
Provides immunodiagnostic assays and reagents for biogenic amines, research reagents, a CLIA certified reference laboratory and contract manufacturing services.

Rocky Mountain Instrumental Laboratories
Fort Collins
www.rockylab.com
Provides contract chromatographic and mass spectrometric analysis of pharmaceuticals (both traditional drugs and biotechnology products, such as proteins and peptides and oligonucleotides), veterinary and human endocrinology, and forensic toxicology.

Rocky Mountain Reagents, Inc.
Golden
www.rmreagents.com
Manufactures stains, culture media and chemistry solutions for the medical industry, as well as titration reagents, indicators, acids, bases, and a variety of chemicals for industrial uses.

Saigene Biotech, Inc.
Denver
www.saigene.com
Developing testing processes to identify harmful algae blooms.

Sandoz
Broomfield
www.us.sandoz.com
Focuses on pharmaceuticals, consumer health, generics, eye care and animal health. Therapeutic categories include anti-infectives, anti-arthritics, cardiovasculars, gastrointestinal agents & psychotherapeutics.

Scilex Pharmaceuticals, Inc.
Malvern, PA
www.scilexpharma.com
Focused on acquiring and commercializing late stage prescription products with more efficient and effective delivery solutions for the treatment of pain.

C Silvergate Pharmaceuticals, Inc.
Greenwood Village
www.silvergatepharma.com
Developer and manufacturer of pharmaceutical products focused on the pediatric market.

SixOne Solutions LLC
Aurora
Developing novel products for the treatment and diagnosis of breast cancer.

C Steadman Philippon Research Institute
Vail
www.sprivail.org
Orthopedic sports medicine, SPRI is unlocking the secrets of healing, finding cures and enhancing lives through regenerative medicine, scientific research, innovation and education.

C Sudhin Biopharma Company
Superior
www.sudhinbio.com
Focus on developing the most efficient biological manufacturing platform technologies and demonstrating these platforms with a few selected biosimilar drugs.

C SuviCa, Inc.
Boulder
www.suvica.com
Discovery and development of small molecules for the treatment of cancer.

Taiga Biotechnologies, Inc.
Aurora
www.taigabiotech.com
Develops cellular, biologic and small molecule approaches to treat hematological diseases, including cancers, immunodeficiencies and autoimmune conditions.

The BioCollective, LLC
Centennial
www.thebiocollective.com
Biobanking company for microbiome samples. Initial research focus is on epigenetic impact of microbiome metabolites through technology developed by its partner, Topogen, using a topoisomerase reporter system.

C Thermo Fisher Scientific
Lafayette
www.thermofisher.com
Scientific leadership and innovation in RNAi, Gene Expression, qPCR/PCR Detection, and Molecular Biology technologies come together with the Thermo Scientific Dharmacon, Open Biosystems, ABgene, Finnzymes, and Fermentas product lines to provide world-leading solutions for gene analysis.

C TOLMAR, Inc.
Fort Collins
www.tolmar.com
A fully integrated pharmaceutical company focused on the development, approval, and commercialization of specialty pharmaceutical products.

TopGear Automation
Denver
www.topgearautomation.com
Development and validation of biomarkers for environmental exposure, oncology, and related diseases.

C UBPBio
Aurora
www.ubpbio.com
Manufactures and sells bioreagents related to the ubiquitin-proteasome pathway. The ubiquitin-proteasome pathway is responsible for degradation of the majority of cellular proteins.

C UCB, Inc.
Brussels, Belgium
www.ucb.com
Global biopharmaceutical company focusing on creating value for people living with neurology and immunology conditions.

Upsher-Smith Laboratories, Inc.
Denver
www.upsheer-smith.com
Develops, manufactures and markets a vast range of prescription and over-the-counter products for cardiology, dermatology, women's health and other areas.

Ursa Medical Technologies
Aurora
www.ursamedical.com
Research company developing a breast cancer treatment compound researching the use of enzyme inhibitors in the cholesterol biosynthetic pathway to explore the safety and efficacy of the compound on a variety of hormonal cancers.

Ventria Bioscience
Fort Collins
www.ventria.com
Develops a protein expression technology platform called ExpressTec with a product pipeline in human nutrition and therapeutics.

C Verkko Biomedical, LLC
Aurora
www.verkkobiomedical.com
Commercializing combustion synthesis technology and manufacturing medical grade customized alpha-, beta-phase tricalcium phosphates as precursor components.

C Vertex Pharmaceuticals, Inc.
Boston
www.vrtx.com
Aims to discover, develop and commercialize innovative medicines so people with serious diseases can lead better lives.

ViroCyt, LLC
Denver
www.virocyt.com
Focused on the commercialization of novel technologies that enable rapid quantification of viruses.

C Vitan-Biotech
Aurora
www.vitan-biotech.com/
Specializes in the development and commercialization of breakthrough life science instrumentation, novel biosensing systems and diagnostic devices.

C VisuGen Global, LLC
Aurora
www.visugenglobal.com
Advancing a new approach to concentrate and detect gene targets in a method that is simple to perform anywhere needed.

VitriVax
Boulder
Committed to the development of affordable, highly stable vaccines for use in resource-poor areas of the world. The current lead product is a next generation vaccine against human papillomavirus infection (HPV).

C VitroBiopharma
Golden
www.vitrobiopharma.com
Develops and commercializes adult stem cell technology for applications in stem cell research, drug discovery & development and therapeutic products for treatment of disease, injury and tissue regeneration.

Vitrolife, Inc.
Englewood
www.vitrolife.com
Develops, manufactures and sells products and systems for the preparation, cultivation and storage of human cells, tissue and organs. Product areas include fertility, transplantation and stem cell cultivation.

C Vivaldi Biosciences
Fort Collins
www.vivaldibiosciences.com
Developing advanced vaccines for prevention of common seasonal influenza ("flu") and emergent pandemic flu.

VRL Laboratories
Centennial
www.vrl.net
Laboratory that offers full service regulated donor eligibility testing for the human cell and tissue community.

Xalud Therapeutics
Boulder
www.xaludthera.com
Novel therapies for the treatment of neuro-inflammatory diseases and inflammatory joint disorders.

YewSavin, Inc.
Fort Collins
www.ajorganica.com
Develops chemical and biochemical technologies. Successfully finished multi-step syntheses using Bromination, Grignard reaction, Suzuki coupling, Amidation, and Esterification reactions.

C yuScience LLC
Aurora
Focusing on the development of early disease biomarkers in patients with multiple sclerosis (MS).

Z Biotech, LLC
Aurora
www.zbiotech.com
Cost-effective biochemical analysis solutions with a focus to develop innovative microarray and carbohydrate products and related services.

Zalgen Labs, LLC
Aurora
www.zalgenlabs.com
Specializing in the design and production of superior biological molecules critical for the development and commercialization of reliable, rapid, and affordable diagnostic platforms, immunotherapeutics and novel vaccines targeting neglected and underrepresented human infectious diseases.

Zenith BioPharma
Aurora
A cancer therapeutics research and development company focused on targeting cancer stem cells, cancer metastasis and recurrence.

ZeoponiX, Inc.
Boulder
www.zeoponix.com
Investigating the immune-pathogenesis of MS, and identifying key players in disease progression.

AG BIO AND ANIMAL HEALTH

Advanced Regenerative Therapies (ART)
Fort Collins
www.art4dvm.com
Provides a stem cell isolation and expansion service for veterinary medicine.

Agripro COKER
Berthoud
www.agriprowheat.com
Develops and delivers superior wheat seed genetics in North America.

Angioslide, Inc.
Wheat Ridge
www.angioslide.com
Privately held medical device company that developed a unique Embolic Capture Angioplasty solution, PROTEUS™, which provides a combination of PTA balloon and embolic capture.

Animal Health Options
Golden
www.animalhealthoptions.com
Offers high quality antioxidants and nutritional supplements that meet or exceed industry standards and provide a noticeable benefit to dogs, cats and horses.

Animark, Inc.
Aurora
www.animark.us
Manufactures and sells ultrasound pregnancy detectors and ovulation predictors for livestock breeding.

C AnImmune, LLC
Golden
Infectious disease-centric company focused on enhancing efficacy of animal vaccines using knowledge accumulated through decades of human vaccine technology.

Aquatic BioSystems
Fort Collins
www.aquaticbiosystems.com
Full-service organism culturing facility specializing in the production and distribution of freshwater and marine organisms for aquatic toxicology, biomonitoring and other research activities.

C Ardent Mills
www.ardentmills.com
Offers the industry's broadest range of flours, mixes, blends and specialty products. More than 40 community mills and mix facilities, along with a specialty bakery and a Mobile Innovation Center.

Beacon Biotech
Aurora
www.beaconbiotechnology.com
Beacon's BrightSPOT shows potential to enable next-generation point-of-care diagnostics, drug discovery, biodefense, food and environmental testing and more.

Behavioral Response Technologies, Inc.
Boulder
www.behavioralresponsetechnologies.com
Fresh Cow Manager gets your cows up and eating when they are most nutritionally deprived.

BioServe Space Technologies
Boulder
www.colorado.edu/engineering/BioServe
Researches space life science with a wide range of biotechnology applications involving animals, plants and microorganisms.

Bovine Reproduction Specialists
Loveland
www.bovinetraining.com
A training experience focused on improving the reproductive performance on dairy and beef operations.

CarboAnalytics
Fort Collins
www.carboanalytics.com
Develops systems that give accurate sugar analysis for the brewing and distilling, food processing and pharmaceuticals industries.

Cargill Research
Fort Collins
www.cargill.com
Develops, processes and markets science-based, health promoting ingredients for food and dietary supplement industries worldwide.

C Chata Biosystems, Inc.
Fort Collins
www.chatasolutions.com
Manufactures USP solutions, USP buffers, dissolution media, custom lab solutions and USP purified water.

Colorado Genetics, Inc.
Loveland
www.coloradogenetics.com
Provides livestock embryo-transfer research, artificial insemination, embryo collection, freezing and transfer, and international import and export services.

Colorado Quality Research, Inc. / Feathertech, Inc.
Wellington
www.cqrco.com
Leading innovator in poultry research.

C Colorado Serum Company
Denver
Supplies veterinary biologic vaccines, instruments, laboratory reagents and serums for the veterinary industry.

Dairy Authority
Greeley
www.dairymd.com
A food and animal practice utilizing the specialties of their veterinarians, microbiologists and veterinarian technicians.

Dairy Tech, Inc.
Greeley
www.dairytechinc.com
Researcher and manufacturer focusing on early calf development.

DVM Systems

Greeley
www.dvmsystems.com
Technology leader in herd health management.

EI Medical Imaging

Loveland
www.eimedical.com
Provider of portable ultrasounds for veterinarian and livestock procedures to create positive business impacts.

C Evolutionary Genomics

Lafayette
www.evolgen.com
Identifies genes with a high likelihood of commercial value for downstream validation through their proprietary Adapted Traits platform.

Fluid Dynamic Siphons, Inc.

Fort Collins
www.siphons.com
Global leader in the manufacture and distribution of dosing siphons.

Front Range Biosciences

Lafayette
www.frontrangebio.com
Provides industrial-scale tissue culture propagation and advanced breeding for plants that will be less susceptible to diseases and mold contamination, reducing the need to use pesticides.

Gene Check, Inc.

Greeley
www.genecheck.com
Gene Check is a diagnostic laboratory specializing in veterinary genetics. In addition, Gene Check maintains a dynamic biotech research program, including rare DNA sequence and SNP detection.

C GeneBiologics

Boulder
www.genebiologics.net
Developing organisms to efficiently convert nitrogen in air or liquid waste streams into a non-toxic, soluble, concentrated, slow-release sustainable fertilizer; and the directed evolution of enzymes for biosensors and renewable energy applications.

Genesis Laboratories, Inc.

Wellington
www.genesislabs.com
Global leader in the fields of vector biology and wildlife research, focusing in disease prevention in humans.

GeneThera, Inc.

Westminster
www.genetherathera.net
Develops and markets molecular technologies to eradicate “cross over” diseases such as Johne’s Disease, Mad Cow Disease, Chronic Wasting Disease and E.coli. Develops assay tests and vaccines to eradicate the threat to humans of diseases transmitted up the food chain by cattle, elk and deer.

Growcentia

Fort Collins
www.growcentia.com
Makes organic soil supplements that naturally increase nutrient availability to support healthy and vigorous plants.

Hach Company

Loveland
www.hach.com
Focused on providing cleaner water to the world, with improved diagnostics.

Heska Corp

Fort Collins
www.heska.com
Develops advanced diagnostics and specialty products for veterinary practices that focus on companion animals.

Industrial Laboratories Co.

Wheat Ridge
www.industriallabs.net
An independent third-party analytical laboratory that specializes in food and drug analysis.

C Jonah Ventures, LLC

Boulder
www.jonahventures.com
Sequencing DNA using next-generation sequencing technology. Areas of service include reconstructing the diet of wildlife and livestock, analyzing the abundance of organisms in aquatic ecosystems, and determining the plants that pollinators rely on.

Jorgensen Laboratories, Inc.

Loveland
www.jorvet.com
Designs and manufactures instruments which are used in the animal health field including specialty instruments, surgical suture, and veterinary equipment.

Keeton Industries, Inc.

Wellington
www.keetonaqua.com
Researches and develops biological water treatment, aeration, ozone aeration, solids removal, biofiltration and other new technologies.

Limagrain

Fort Collins
www.limagraincerealseeds.com
Through cutting-edge seed-breeding methods, the company brings new, improved seed varieties to market in a fraction of the time possible just a decade ago.

Loveland Products, Inc.

Greeley
www.lovelandproducts.com
Offers a complete line of high-performance input products, with a portfolio of seed treatment, plant nutrition, fertilizer, adjuvant and crop-protection products.

LUCA Lifesciences

Boulder
www.lucalifesciences.com
Utilizes in-plant technology to increase the value of the hemp plant. Applications for industrial-grade plastics, textiles and medical devices.

Lumiere Diagnostics

Fort Collins
www.lumierediagnosics.com
Innovative solutions for food and water safety.

C Membrane Protective Technologies, Inc.

Fort Collins
www.membrane-protect.com
Blend of organic plant extracts which improves artificial insemination pregnancy rates in cows.

C Microbial Research, Inc.

Fort Collins
www.microbialresearch.com
A veterinary services microbiology laboratory that conducts GLP and GCP compliant research trials.

C Monsanto Company

Englewood
www.monsanto.com
Global provider of technology-based solutions and agricultural products that improve farm productivity and food quality.

MycoTechnology

Aurora
www.mycotechcorp.com/
A food technology company that has developed a natural food processing platform that is solving some of the biggest challenges in the food and beverage industry.

Nutrinsic, Inc.

Aurora
www.nutrinsic.com
Produces a cost-effective, sustainably produced protein meal which serves as a fish meal replacement (FMR) or additive ingredient for animal feeds, primarily those destined for the aquaculture industry.

C Optibrand Ltd., LLC

Fort Collins
www.optibrand.com
Specializes in livestock identification devices and veterinary diagnostics.

OptiEnz

Fort Collins
www.optiensensors.com
Produces innovative biosensors for continuously measuring organic chemical concentrations in water and aqueous solutions.

Pisces Molecular

Boulder
www.pisces-molecular.com
Focused on applying molecular genetics technology to problems of fisheries and aquatic conservation biology.

Poudre Canyon Therapeutics

Fort Collins
www.pcthera.com
Developing a pharmaceutical therapeutic that increases the ability of canine and feline immune systems to prevent infection via airborne respiratory pathogens.

PolyNEW, Inc.

Golden
Developed a new class of PLA bioplastics termed “ecobionanocomposites,” from 100% renewable resources that could be used in a wide variety of applications, including medical device.

C Pure Cultures

Denver
www.purecultures.com
Pure Cultures is an AgTech product development and manufacturing company specializing in prebiotics and probiotics used to support the health of animals and reduce antibiotics in our food chain.

Sigma-Aldrich Corp.

Boulder
www.sigmaaldrich.com/united-states
Delivers customized solutions in plant breeding and crop protection.

SiveC Biotechnologies

Fort Collins
www.sivecbiotechnologies.com
Developing antiviral products for the rapid prevention of economically important diseases. Currently focused on developing SiveC-AIV, a patent-pending antiviral for avian flu in poultry.

STA Laboratories, Inc.

Longmont
www.stalabs.com
Provides technology-based, scientifically sound services that cover the entire life cycle from genetics to seed and plant.

Summit Plant Laboratories, Inc.

Fort Collins
www.plantlabs.com
Applies laboratory plant cloning and greenhouse technologies to produce planting stocks for breeders, greenhouses, and field crop producers.

Syngenta

Longmont
www.syngenta-us.com
Produces agrochemicals and seeds. As a biotechnology company, it conducts genomic research.

Verdant BioSciences Corp.

Denver
www.verdantbio.com
Develops plant biochemical regulators that provide superior plant performance and unlock the productive power of plants in markets from floriculture to industrial agriculture.

C VetDC

Fort Collins
www.vet-dc.com
Focused on the development of novel devices, diagnostics and therapeutics for emerging veterinary markets, including an approved therapy for canine lymphoma.

C VetMeasure

Fort Collins
www.isupark.org/maher-technologies
Developing a pet collar technology platform that remotely monitors a pet’s core temperature and ambient humidity to provide an early warning for animals falling into a health risk status.

Warren Analytical Laboratory

Greeley
www.warrenlab.com
Specializes in food microbiology, molecular biology, food chemistry, residue chemistry and nutritional labeling.

Wildlife Pharmaceuticals, Inc.

Windsor
www.wildpharm.com
Providing pharmaceuticals for the safe and humane care of non-domestic and exotic wildlife species.

Willowcroft Pharm, Inc.

Littleton
www.laminil.us
Pharma company engaged in saving horses and other animals, such as bovines, sheep and goats, from the debilitating, painful and life-threatening disease called laminitis.

Zoetis

Longmont
www.zoetisus.com
Discovers, develops, manufactures and commercializes a diverse portfolio of animal health medicines and vaccines designed to meet the real-world needs of veterinarians and the livestock farmers and companion animal owners they support.

ZTA Corp, LLC

Denver
Researching the use of non-surgical, non-invasive methods for treatment of Moreno sheep for purposes of addressing the mulseing ban in Australia.

MOBILE AND DIGITAL HEALTH**AbleLink Technologies**

Colorado Springs
www.ablelinktech.com
Addresses the need for well-researched cognitive support technologies for individuals with intellectual disabilities.

C Agathos

San Francisco
www.agathos.io
The platform empowers managers and individual physicians to track and prioritize organizational metrics most relevant to their practice, while continuously generating the actionable insights physicians need for quality metrics, optimizing reimbursement, driving market demand and reducing organizational spending.

Allergy Solutions, LLC

Denver
www.symbiaallergy.com
Developed an allergy-management platform allowing providers to perform allergy tests and prescribe immunotherapy.

C Alvy Health

Denver
www.alvyhealth.com
Developing a digital platform for patient monitoring, critical system management and real-time treatment decision making to improve acute, emergency and urgent care.

Avenir

Denver
www.avenir-int.com
Helps providers connect through better hospital communication among teams, driving coordination of care.

BaziFIT

Boulder
www.bazifit.com
Developing wearable sensor technology to measure range of motion, movement mechanics, balance and stability, which gives healthcare professionals the ability to provide data-driven care.

C Burst IQ

Colorado Springs
www.burstiq.com
Building a secure and open platform for health data.

CareSpan

Longmont
www.carespanhealth.com
Connects patients and providers by offering physicians a complete and secure workplace-in-the-cloud that allows healthcare delivery consistent with the standards of an in-person exam, while leveraging the economic scalability and efficiency of the internet.

Cirrus MD

Denver
www.cirrusmd.com
Developed a platform to connect patients and providers via text messaging without putting personal health information at risk.

CIVHC

Denver
www.civhc.org
Helps Colorado drive, deliver and buy value in health care by administering the Colorado All Payer Claims Database; unlocking information and insights that guide how healthcare gets delivered, used and paid for; and bringing together organizations and individuals to design and drive collective change.

C Cliexa

www.cliexa.com
Provides decision support to physicians and other healthcare providers during the treatment process and optimizes treatment methods based on evidence-based knowledge and data.

C CORHIO

Denver
www.corhio.org
Its health information exchange (HIE) technology, data analytics tools and consulting help healthcare providers access information to save lives, streamline care coordination, reduce costs and improve clinical outcomes.

DARTNet Institute

Aurora
www.dartnet.info
The DARTNet Institute is a rapidly growing collaboration of practice-based research networks that are building a national collection of data from electronic health records, claims, and patient-reported outcomes.

EMS Relay

Broomfield
www.emsrelay.com
Developed a mobile app allowing EMS responders to send images and video from the field to the ER.

EngageMyHealth, LLC

Centennial
www.engagemyhealth.com
Provides a software based solution for elective healthcare centers. The integrated platform covers mobile centric digital communication to patients and prospects, before, during and after their office visits.

C gaugewear, Inc.

Boulder
www.gaugewear.com
Developing the first wearable, wireless, non-invasive core body temperature sensor.

Global Healthcare Exchange (GHX)

Louisville
www.ghx.com
Help healthcare providers reduce costs by automating the supply chain and providing business intelligence tools to help them make smarter and faster decisions.

C Health Sqyre

Denver
www.healthsqyre.com
Online marketplace for medical equipment with real-time assistance and transparent pricing tools to empower patients regarding insurance coverage.

Incendant

Pueblo
www.incendant.com
Created a web-based, patient engagement platform that enables providers to automatically engage patients with video/email education and SMS reminders.

IngeniumCare

Denver
www.ingeniumcare.com
Provides support for patient home monitoring and provides wireless biometric feedback to caregivers.

C Innamed

www.innamed.com
With only a few drops of blood required and without needing to visit a lab, our blood testing device will allow you to track the same important health indicators that many doctors use to assess your overall health.

iTriage

Denver
www.itriagehealth.com
A platform for consumers to get medical answers, find care options and securely maintain health information.

Kindara

Boulder
www.kindara.com
Kindara apps and smart devices help women take an active role in their reproductive health, resulting in better outcomes at lower cost.

ListenMD

Denver
www.listen.md
Improving physician satisfaction by dramatically reducing data entry.

C Matrix Analytics, Inc.

Denver
www.matrix-analytics.com
The Nodule Project is Matrix Analytics' clinical decision support platform designed to improve patient outcomes by aiding in the early detection, diagnosis, and cost-effective treatment of pulmonary nodules and lung cancer.

MedAware Systems

Broomfield
www.medawareystems.com
Provides healthcare professionals, payers, patients, pharma and medical device companies with actionable information on the efficacy and safety of medical treatments to make the best decisions for each patient.

Medical Simulation Corp.

Centennial
www.medsimulation.com
Designs and delivers medical simulation that educates, ensures better outcomes and increases product adoption.

C MedKeeper

Arvada
www.medkeeper.com
Provides a suite of fast, flexible, and economical applications for hospital pharmacies.

C METHOD LLC

Aurora
www.themethoddifference.com
Bridges the gap between exercise and medicine to optimize performance, monitor and speed recovery and prevent injury.

C Mindful Labs

Aurora
www.getmindful.co
Collects monthly hair samples from users through the mail. A CLIA certified lab translates this into the average monthly cortisol levels viewable on a mobile phone, allowing customers to monitor cortisol levels and take corrective action.

Mobile Assay

Boulder
www.mobileassay.com
Created a lab-on-mobile-device platform with customizable smartphone diagnostic tools for use with any rapid diagnostic test or colorimetric assay. Its automated mReader™ imaging system transforms ordinary qualitative (positive/negative) tests into highly sensitive quantitative tests.

My Rounding

Denver
www.myrounding.com
A platform that allows healthcare providers to standardize, automate and track their rounding activity. It allows nurses and staff to be proactive, improving care and patient experience.

C Myonic Technologies

www.myonic.tech
Creates enabling technology for users with paralysis. Gives users back the ability to control their own muscles with a wearable device.

myStrength

Denver
www.mystrength.com
Created a platform to help healthcare payers and providers extend access to evidence-based resources to help consumers better manage depression, anxiety and substance abuse disorders.

C Nicolette, Inc.

Los Alamitos, CA
www.nicolette.com
Tools for patients fighting acute health battles, specializing in visualized EMR data, curated research and engagement tools to partner with their providers improving outcomes, reducing costs, and increasing provider productivity.

C Nymb Science

Boulder
www.nymbscience.com
Combines medical science with mobile technology to allow people to easily measure their balance, and then recommends a program to improve balance.

OptioSurgical

Denver
www.optiosurgical.com
Provides affordable healthcare through vendor transparency and advanced analytics. The company's orthopedic database provides vendor-by-vendor cost comparisons of equivalent tools, implants and disposables.

Ortho Track

Denver
www.orthotrack.co
Replaces the antiquated manual paper-based process of recording implants with an intra-operative iPad application that leverages a proprietary database of orthopedic products and equivalencies. After tracking what is used in surgery OrthoTrack displays a surgeon by surgeon breakdown of cost, savings opportunities, and patient reported outcomes.

Physician Cognition

Telluride
www.physiciancognition.com
Created a differential diagnosis search engine to minimize misdiagnoses and prevent unnecessary testing and procedures.

PreAcute PHM, Inc.

Aurora
www.preacutephm.com
Helps lower healthcare expenditures using its predictive clinical data analytics platform to focus on pre-acute clinical interventions to treat patients in the early stage of their illness, when they can often benefit from alternative, low-cost point treatments.

C PrecisionProfile, Inc.

Boulder
www.precision-profile.com
Precision medicine for data analysis and visualization toolset for genomic profile data that integrates research literature, clinical trial formation and molecular diagnostic reports.

C Predictive Recognition

Boulder
www.recogdata.com
Helps hospitals recognize and predict patient risk and improve quality of care.

C Prima-Temp, Inc.

Boulder
www.prima-temp.com
Innovative biometric approaches to early disease detection and reproductive medicine through the application of 21st century thermometry.

C Radish Systems

Boulder
www.radishsystems.com
Its mobile enterprise software, ChoiceView, allows businesses to share visuals with patients in real-time.

C RxAssurance

Boulder
www.rxassurance.com
Patient feedback system to collect, analyze and report data related to medication adherence, effectiveness, safety, satisfaction and patient continuity of care.

RxRevu

Denver
www.rxrevu.com
Helps drive informed, consistent and measurable prescription decisions.

SafeImageMD

Denver
www.safeimagemd.com
Created a secure transfer and storage technology allowing providers to share critical medical images with colleagues, patients, physicians and institutions anywhere in the world.

Script Adviser

Greenwood Village
www.scriptadviser.com
Improves the treatment of infectious disease through collaboration with other healthcare practitioners and their patients via cloud-based video conferencing and decision support technology.

Self Aware Apps

Denver
www.selfawareapps.com
Creates assistive intelligence engines that help people live better lives by enabling their mobile device to hear, see and sense the world around them.

C Skindroid

Aurora
www.skindroid.org
Developed new skin sensor technology to detect key parameters of basic metabolic panel from a user's sweat. Skindroid is a wearable biosensing hardware device that allows remote, non-invasive BMP monitoring via FHIR API integration with health data platforms.

Skywriter MD

Westminster
www.skywritermd.com
Provides real-time, virtual medical scribe services that navigate the EMR and enter data, execute tasks and write orders as directed.

Sleep Image

Denver
www.sleepimage.com
Develops a system to measure sleep, receive a clinically-validated indicator of sleep health and learn how behavioral changes can impact sleep.

Sleep Shepherd

Colorado Springs
www.sleepshepherd.com
Developed a device to improve sleep in people with sleeping disorders or people who simply want to improve the quality of their sleep, using EEG brainwave monitoring and a binaural beat system to slow the brain rate from an awake state to a sleeping state.

Socon Health

Denver
www.soconhealth.com
A HIPAA compliant telemedicine and patient engagement technology that allows patients and providers to communicate asynchronously via video messaging.

Sonaura, LLC

Fort Collins
www.mysonaura.com
An electronic two way communication system between patient and doctor allowing women undergoing IVF treatment to perform their sonograms at home during the follicle stimulation cycle.

C Tazmo

Denver
www.tazmo.co
A data intelligence platform that integrates with existing eClinical systems to provide unified insights, allowing the monitoring of studies in real time, and an intuitive portal for discovering and sharing actionable insights across an organization.

Tech-X Corporation

Boulder
www.txcorp.com
Specializes in scientific and engineering software, including visualization and algorithm development.

Test Appropriate, LLC

Littleton
www.testappropriate.com
Provides a cloud-based web tool that allows clinicians to write orders during a patient visit for cardiac tests.

ValidCare, LLC

Centennial
www.validcare.com
Creates value-based surgical care models through collection and use of real-time, patient-reported data. Providers use the data to power care navigation and measure and improve cost and quality of care delivered.

C Visible Hand

www.visiblehand.com
The Foresight app from VisibleHand provides real-time collaborative intelligence for behavioral care facilities that helps them document, share and implement resident data.

C Wellness Intel

Denver
www.wellnessintel.com
Developing an application to help patients make informed decisions about their healthcare.

RESEARCH & EDUCATION INSTITUTIONS

C Advanced Diagnostic Laboratories (Adx) at National Jewish Health

Denver

www.njlabs.org

National Jewish Health is known worldwide for treatment of patients with respiratory, cardiac, immune and related disorders, and for groundbreaking medical research. The Advanced Diagnostic Laboratories provide innovative services within the extraordinary clinical and research environment of National Jewish Health. Leveraging our expertise in both laboratory medicine and personalized medicine, we offer an ever-expanding menu of diagnostic tests, as well as contract research services. Our laboratories are CAP and CLIA certified, and have earned the prestigious CAP 15189SM accreditation.

C BioFrontiers Institute

Boulder

biofrontiers.colorado.edu

State-of-the-art research and education facility that links the basic sciences, engineering, clinical practice, and industry at the University of Colorado's Boulder campus.

Biological Sciences Curriculum Study (BSCS)

Colorado Springs

www.bsccs.org

A nonprofit corporation that endeavors to improve all students' understanding of science and technology by developing exemplary curricular materials, supporting their widespread and effective use, providing professional development, and conducting research and evaluation studies.

Bonfils Blood Center

Denver

www.bonfils.org

One of the nation's leading community blood centers through their commitment to quality service, innovation, research and technology. Offering a full range of blood products and services to healthcare partners, including supplying rare blood units or helping to determine the best cross-matched unit to ensure the best possible patient outcomes.

Catholic Health Initiatives Institute for Research and Innovation

Englewood

www.chiresearch.org

Founded by Catholic Health Initiatives (CHI) in 2007, the CHI Institute for Research and Innovation partners with CHI hospitals and physicians to further the advancement of healthcare. From pioneering new models of care delivery to creating partnerships within and outside of CHI, CIRI provides a research community fostering innovation in three distinct areas: 1. Center for Clinical Research (CCR): Sustaining clinical research and trials is costly and challenging. By creating a national model that uses standardized procedures, policies and IT infrastructures, CCR efficiently and effectively manages clinical trials across CHI's hospital network. 2. Center for Health Care Innovation (CHCI): CHCI pioneers new ways to deliver health care. This center is focused on creating and testing new models that will enhance care and better manage populations. 3. Center for Translational Research (CTR): The emerging and revolutionary field of biomedicine and genomics is the focus of CTR.

Centers for Disease Control and Prevention/ Division of Vector-Borne Infectious Disease

Fort Collins

www.cdc.gov/nceizid/dvbid

The Division of Vector-Borne Infectious Diseases (DVBD) is part of the U.S. Centers for Disease Control and Prevention (CDC). CDC is the lead federal agency for protecting the health and safety of people at home and abroad. DVBD serves as a national and international reference center for vector-borne viral and bacterial diseases, such as West Nile virus, Lyme disease, plague, tularemia, yellow fever and dengue. It coordinates national disease monitoring activities, conducts field and laboratory research, responds to epidemic situations, develops strategies for disease prevention and control, provides diagnostic reference and epidemiologic consultation, and conducts technical assistance and professional training activities.

Children's Hospital Colorado

Aurora

www.childrenscolorado.org

Children's Hospital Colorado has been ranked for more than a decade as one of the best children's hospitals nationally in U.S. News & World Report, and is the consistent choice eight years in a row by area physicians for the care of their loved ones. With 1,130 pediatric specialists and more than 2,300 full-time employees, Children's Colorado is home to a number of nationally and internationally recognized medical programs including the Center for Innovation, providing an opportunity for innovators to come together to develop groundbreaking ideas that will enrich and save lives through better technology and healthcare.

C Colorado School of Mines

Golden

www.mines.edu

A public research university internationally recognized for its leadership in engineering, applied science and related disciplines, with a special emphasis on the Earth and its resources. These programs, with strong interdisciplinary linkages across the campus, have led to the integration of bioscience and biotechnology into educational and scholarly activities. CSM has created a Bioengineering and Life Science Program that draws upon faculty and students from all of the academic units.

C Colorado State University

Fort Collins, Pueblo, Denver

www.colostate.edu

As one of the nation's leading research universities, Colorado State University is committed to realizing its vision as a 21st century land-grant university. CSU leads the world in such areas as infectious disease research, atmospheric science and environmental science. Its faculty members are tackling such issues as the reemergence of tuberculosis, the brown cloud of air pollution in Asian cities, severe weather forecasting, nutrition and wellness, and bioterrorism. In addition to its excellent programs in those areas, CSU offers among the very best professional programs in the United States in areas like veterinary medicine, occupational therapy, journalism, agriculture and construction management.

Craig Hospital

Denver

www.craighospital.org

A world-renowned rehabilitation hospital that exclusively specializes in the neuro-rehabilitation and research of patients with spinal cord injury (SCI) and traumatic brain injury (TBI). Craig is a not-for-profit, free-standing, national center of excellence that has treated more than 31,000 patients with SCI and TBI since 1956.

CSU BioMARC

Fort Collins

biomarc.colostate.edu

A nonprofit CMO owned and operated by Colorado State University created to translate and produce biopharmaceutical products for non-clinical, clinical, and commercial use under Biosafety Level 3 (BSL-3) and BSL-2 containment (including spore former containment) and Select Agent (SA) biosecurity conditions. In addition to manufacturing and testing services, BioMARC offers product and process development services, which includes the creation of development programs focused on implementation of cGMP regulations and scalability issues.

C CSU Research Innovation Center

Fort Collins

www.csuric.org

The Research Innovation Center (RIC) serves as a vehicle to perform collaborative translational-stage research with CSU's life sciences community of researchers, giving it the promise to become the birthplace of medical breakthroughs.

CU Innovations

Aurora

www.ucdenver.edu/anschutz/about/cuinnovations/Pages/default.aspx

Brings together industry partners, entrepreneurs, and investors to help CU researchers solve important problems and improve the quality of life worldwide. With expertise in patents, copyrights and licensing, CU Innovations helps translate discovery into impact through transparent, flexible, best practice intellectual property management services, and connect researchers at CU's Anschutz Medical campus with a variety of commercialization programs in the University and the community.

C DARTNet Institute

Aurora

www.dartnet.info/

The DARTNet Institute is a rapidly growing collaboration of practice-based research networks that are building a national collection of data from electronic health records, claims, and patient-reported outcomes.

Denver Botanic Gardens

Denver

www.botanicgardens.org

One of the top-ranked botanical gardens in the U.S., Denver Botanic Gardens offers spectacular plant displays and unlimited opportunities for lifelong learning.

Denver Museum of Nature and Science

Denver

www.dmns.org

The Denver Museum of Nature & Science is the Rocky Mountain region's leading resource for informal science education. A variety of exhibitions, programs, and activities help Museum visitors experience the natural wonders of Colorado, Earth, and the universe. Its Expedition Health exhibit examines how the human body is constantly changing and adapting in ways you can see, measure and optimize through choices you make.

Denver Research Institute

Denver

www.dri-va.org

Denver Research Institute (DRI) serves as the non-profit organization affiliated with the VA Eastern Colorado Health Care System. It is dedicated to research and its associated educational and scientific endeavors.

Front Range Community College

Brighton, Fort Collins, Longmont and

Westminster

www.frontrange.edu

Front Range Community College, Colorado's largest community college, provides instruction, in both general education and occupational areas, which may lead to a certificate, an associate degree, or transfer to a four-year institution. The college also provides college preparatory education, non-credit instruction for personal and professional development, and workplace skill development. With campuses located in Fort Collins, Longmont and Westminster, the college is proud of its many partnerships to provide quality programs that are responsive to the needs of its local community.

C Keystone Symposia on Molecular and Cellular Biology

Silverthorne

www.keystonesymposia.org

A non-profit organization that serves as a catalyst for the advancement of biomedical and life sciences, by connecting scientists within and across disciplines at conferences and workshops held at venues that create an environment conducive to information exchange, generation of new ideas, and acceleration of applications that benefit society.

National Institute of Standards and Technology (NIST)

Boulder

www.nist.gov

NIST is a non-regulatory federal agency that operates eight different science and advanced technology research divisions in Colorado. NIST's list of research accomplishments includes a NIST senior scientist winning the Nobel Prize in 2001 for creating the world's first "Bose-Einstein condensate." In 2003 another NIST scientist won a MacArthur Fellowship for discovering a new quantum gas and was named by Science as one of the top ten scientific advances of the year.

C National Jewish Health

Denver

www.njhealth.org

National Jewish Health, the nation's #1 respiratory hospital in the US, attracts thousands of adult and pediatric patients each year who come to us to team up with our expert physicians and researchers and seek treatment for respiratory, cardiac, immune and related conditions. National Jewish Health is also one of the most influential independent biomedical research centers in the world. More than 100 faculty members conduct basic, translational, and clinical research in immunology, respiratory medicine, allergy, cancer, and cell and molecular biology.

Power Mountain Engineering Inc.

Fort Collins

www.powermountainengineering.org

Nonprofit afterschool program for gifted and talented students in grades 8-12 who are interested in a STEM career. Students meet with community volunteers for an entire semester to design and build an advanced project from raw materials. The program encourages our best students to take up college studies in STEM by immersing them in an authentic, hands-on R&D experience.

Regis University

Denver

www.regis.edu

The School of Pharmacy aspires to be the foremost school of pharmacy in the United States where students are nurtured and developed to become leaders in pharmacy practice, research, education, and public service. They are educated to be committed to excellence in healthcare, evidenced not only by their knowledge and abilities, but also by their quality of care, integrity, compassion, respect, advocacy, initiative, service and leadership. To achieve these goals, faculty members are dedicated to providing innovative practice models, exploring novel applications of basic and clinical research, and illustrating the value of lifelong learning.

Rose Medical Center

Denver

www.rosemed.com

Has earned a reputation as Denver's "Baby Hospital" while becoming a leader in comprehensive women's services, internal medicine, endoscopy, heart and vascular care, orthopedics and total joint replacement, bariatric surgery, sports medicine and aesthetic surgery.

Rocky Vista University College of Osteopathic Medicine (RVUCOM)

Parker

www.rvu.edu

Rocky Vista University College of Osteopathic Medicine (RVUCOM) has five departments – Biomedical Sciences, Structural Medicine, Primary Care, Osteopathic Principles and Practices, Specialty Medicine and Medical Informatics. The faculty and staff of RVUCOM are committed to osteopathic philosophy and heritage, and to advancing the science and the art of the practice of osteopathic medicine.

Scientific Education & Research Institute (SERI)

Thornton

www.theseri.com

SERI combines an orthopedic clinic, specializing in spine surgery, with a clinical research unit and an education and training program.

Swedish Medical Center

Englewood

www.swedishhospital.com

Level I Trauma Center serves as the region's referral center for neurotrauma and is a recognized leader in the treatment of stroke. An acute care hospital with 368 licensed beds.

United States Geological Survey (USGS) - Center for Biological Informatics

Denver

www.biology.usgs.gov/cbi

The Center for Biological Informatics, at the Denver Federal Center, operates the national Biological Information Infrastructure (NBII). This is the first comprehensive electronic gateway dedicated exclusively to biological science data and information from sources throughout the world.

C University of Colorado

Boulder, Denver, Aurora, Colorado Springs
www.cu.edu
The University of Colorado System's 52,000 students and 28,000 faculty and staff contribute to every facet of life in Colorado. The state's economic vitality, educated workforce, entrepreneurial climate, cultural capital, health care delivery, and scientific explorations all rely on the driving force of a vigorous state university. By working with other CU academic and research units, as well as local, state, and federal funding agencies, commercial business, and nonprofit organizations, CU is creating a collaborative synergy in important areas that will better the wellness of society. Research and teaching hospitals affiliated with the University of Colorado include: The University of Colorado Hospital, The Children's Hospital, National Jewish Medical and Research Center, Denver Health and the VA Medical Center.

C University of Colorado Cancer Center

Aurora
www.uch.edu/colorado-cancer-center
The University of Colorado Cancer Center is Colorado's only National Cancer Institute-designated consortium comprehensive cancer center. The center is a consortium of three state universities, including the University of Colorado Boulder, University of Colorado Denver and Colorado State University, and six institutions (University of Colorado Health, a network comprised of University of Colorado Hospital, Poudre Valley Hospital, Medical Center of the Rockies and Memorial Hospital; Children's Hospital Colorado; Denver Health, Denver VA Medical Center, Kaiser Permanente Colorado and National Jewish Health).

C University of Colorado Denver - Center for Surgical Innovation

Aurora
www.ucdenver.edu/academics/colleges/medical-school/centers/SurgicalInnovation/Pages/CSI.aspx
A multidisciplinary surgical training center dedicated to promoting educational courses and development of leading edge surgical techniques and technologies. The center is affiliated with the Department of Surgery in the CU School of Medicine.

C University of Colorado Denver, iC42

Aurora
Research & Development to carry out pre-clinical and clinical drug development programs, through the evaluation of pharmacokinetics, drug metabolism and the development of clinical management tools. iC42 combines quantitative mass spectrometry and metabolic and protein profiling technologies under one roof. iC42 Clinical Research & Development is designed and uniquely qualified to carry out the bioanalytics for complex clinical trials involving drug quantification and molecular marker strategies. In addition, iC42 carries out research and development projects including molecular marker discovery and qualification, translational research and strategy development and the identification of molecular mechanisms.

C University of Colorado Health

Loveland, Fort Collins, Colorado Springs
www.pvhs.org
Poudre Valley Health System (PVHS) and the University of Colorado Hospital (UCH) finalized a joint operating agreement in early 2012 that creates a health system its leaders say will widen health care services and provide unparalleled patient care in the Rocky Mountain region. Called University of Colorado Health, the new system combines one of the top-performing community health systems in the nation with the highest-ranked academic medical center in quality in the country. With annual net revenue of \$1.5 billion, it will be one of the region's largest locally-owned health systems and, with nearly 10,000 employees, one of Colorado's largest employers.

C University of Denver

Denver
www.du.edu
Strives to provide the most modern educational and research facilities in the life sciences. Their history spans the Denver Research Institute's development of the first NASA life monitoring sensors, the establishment of a state-of-the-art forensics laboratory, and the 2003 acquisition of the Eleanor Roosevelt Institute with pioneering efforts in genomics and bioinformatics. The interdisciplinary mission of the University enabled the Department of Biology to launch new emphases in Bioengineering, Biophysics and Cognitive Neuroscience designed for molecular biology majors. In addition to strong and quality curricula, bioengineering and life sciences at DU carry multimillion-dollar-a-year research studies in the creation of new knowledge and leading edge biotechnologies to improve quality of life for a worldwide community.

C University of Northern Colorado

Greeley
www.unco.edu
University of Northern Colorado (UNC) is a multipurpose institution with a wide range of graduate and undergraduate programs. The university's mission is to prepare individuals for advanced study, professional careers, and positions of leadership.

Work, Education and Lifelong Learning Simulation (WELLS) Center

Aurora
www.wellssimulationcenter.org
Complete array of state-of-the-art patient simulation tools for building clinical knowledge with high-speed datacasting technology makes this unique resource available remotely. The WELLS Center represents a unique collaboration among educators, providers and policymakers.

MEMBER FOUNDATIONS

C Boettcher Foundation Webb-Waring Biomedical Research Program

Denver
www.boettcherfoundation.org
Founded by the Boettcher Family in 1937 to effectively assist, encourage and promote quality of life for the citizens of Colorado, the Boettcher Foundation invests in education, community services, health, and arts & culture through merit awards, scholarships and capital grants. In 2008, the Webb-Waring Institute became a part of the University of Colorado and is now known as the Webb-Waring Center. The Boettcher Foundation was entrusted with the stewardship of the Webb-Waring Foundation's assets. Through an innovative agreement between the Boettcher Foundation, the Webb-Waring Foundation and the University of Colorado, a new funding area was established at the Boettcher Foundation that supports the work of early-career investigators in the biomedical sciences in Colorado.

C CSU Ventures, Inc.

Fort Collins
www.csuventures.org
CSU Ventures, Inc. (CSUV) is a 501(c)(3) non-profit corporation that actively supports and promotes the transfer of Colorado State University (CSU) research and innovations into the marketplace for the benefit of society. CSU Ventures serves CSU faculty and researchers who wish to protect and license intellectual property; builds relationships with industries and investors seeking to engage with CSU; and leverages CSU innovation to foster business formation and enhance regional economic vitality.

C University of Colorado Office of Advancement

Aurora, Boulder, Colorado Springs
www.cu.edu/advancement
The University of Colorado Office of Advancement collaborates with faculty, staff, benefactors, alumni and friends to raise private support for the university by matching the passions of benefactors with the needs, priorities and goals of each campus.

COMMUNITY PARTNERS

ASQ (American Society of Quality)

asq.org/perl/section_list.pl?Colorado
ASQ is a global community of people passionate about quality, who use the tools, their ideas and expertise to make our world work better. ASQ: The Global Voice of Quality.

Boomtown

Boulder
www.boomtownaccelerator.com
An innovative and effective start up accelerator with a strong curriculum, excellent mentors, and a leadership staff that is passionate about what they do. All of this is centered within Boulder, CO, which has a higher concentration of startups than anywhere else in the US.

CIVHC

Denver
www.civhc.org
Helps Colorado drive, deliver and buy value in health care by administering the Colorado All Payer Claims Database; unlocking information and insights that guide how healthcare gets delivered, used and paid for; and bringing together organizations and individuals to design and drive collective change.

C Colorado Institute for Drug, Device and Diagnostic Development (CID4)

Aurora
www.cid4.com
CID4 provides management expertise to efficiently transform emerging life science technologies into commercial successes. We do this by identifying and funding potential opportunities, and by utilizing an advanced leadership team to ensure speed to market, putting new products and services to work where they are needed.

C CORHIO

Denver
www.corhio.org
Its health information exchange (HIE) technology, data analytics tools and consulting help healthcare providers access information to save lives, streamline care coordination, reduce costs and improve clinical outcomes.

EnConnect

Fort Collins
www.enconnect.org
A co-working and education facility for venture businesses. EnConnect engages in management of early stage investment VC funds in the US.

Fitzsimons Redevelopment Authority

Aurora
www.fitzscience.org
Offers a range of opportunity to life sciences research and development companies of all sizes, from small start-ups to established industry leaders. Within the campus, more than six million square feet of corporate and bioresearch facility space are being developed for companies and firms focusing on the science and technology sectors. From cutting-edge lab facilities to advanced technical support systems, everything at the Fitzsimons Innovation Campus is designed specifically for the life science industry.

FRaBSA (Front Range Biological Safety Association)

www.frabsa.org
Local affiliate chapter to International ABSA (American Biological Safety Association). Focus is promoting the principles of biological safety and providing a forum for dissemination of information. Membership includes EH&S officers at universities, government, industry and service providers that support their needs.

i2sl Colorado Chapter

www.i2sl.org/globalcommunity/chapters/colorado.html
The I2SL Colorado Chapter seeks to be a local resource and community for high-tech laboratory and data center users, builders, and suppliers. The chapter offers quarterly and annual meetings focused on technical topics, visiting built projects, and meeting with like-minded individuals to collaborate and develop further ideas for the industry.

C Innosphere

Fort Collins, Denver, Boulder
www.innosphere.org
A high-tech incubator supporting entrepreneurs building high-growth companies in the industries of health innovation, life sciences, software & hardware, and energy & advanced materials. Innosphere's incubation program focuses on ensuring companies are investor ready, connecting them with experienced advisors, and making introductions to corporate and strategic partners.

PDA MS (Parenteral Drug Association, Mountain States Chapter)

www.pda.org/chapters/north-america/mountain-states
Local chapter of PDA (Parenteral Drug Association) the leading global provider of science, technology and regulatory information and education for the pharmaceutical and biopharmaceutical community.

RM ISPE (Rocky Mountain Chapter of International Society of Pharmaceutical Engineers)

www.ispe.org/rockymountain
The Rocky Mountain Region is among the fastest growing biotechnology/pharmaceutical communities in the nation. The chapter was established in 1996 to accelerate the awareness and visibility of the biopharmaceutical and medical device community through networking and educational opportunities. The strengths of the chapter are visible with its large user involvement and the depth of technical programs provided. National speakers are invited often to share current trends and other relevant technical material to the chapter.

RMRSQA (Rocky Mountain Regional Chapter Society of Quality Assurance)

www.rmrsqa.org
SQA is an association of over 2,200 QA professionals who are dedicated to implementing Good Clinical Practices (GCPs), Good Laboratory Practices (GLPs) and Good Manufacturing Practices (GMPs) in industry, governments, academia and consulting.

RMRAS (Rocky Mountain Regulatory Affairs Society)

www.rmras.org
The Rocky Mountain Regulatory Affairs Society (RMRAS) is a non-profit organization for professionals involved in the regulation of medical devices, pharmaceuticals, biologics, and nutritional products. Our vision is to advance the understanding and practice of worldwide medical Regulatory Affairs for members in the Rocky Mountain region.

MEMBER SERVICE PROVIDERS

Clean Room Services

Cleanroom World
www.cleanroomworld.com

Construction and Facilities

CRB Engineers and Builders
www.crbusa.com

GBA Builders
www.gbabuilders.com

Haldeman-Homme, Inc.
www.haldemanhomme.com

Howell Construction
www.howellconst.com

Consulting - General Business

Accenture
www.accenture.com

Alira Health
www.alirahealth.com

Green Tape LLC
www.greentapellc.com

Meeting Excellence
www.meeting-excellence.com

Neil Burris & Associates
neil@ssnpartners.com

Phiama Consulting
rwhite@phiama.com

Planning Partners International
www.ppimeetings.com

Switchback Medical

The Optera Group
www.opteragroup.com

The Way Out, LLC

Consulting - Regulatory, Commercialization and Development

BioRealm
www.biorealmresearch.com

Boulder Bioconsulting
www.boulderbioconsulting.com

Clinipace Worldwide
www.clinipace.com

Dohmen Life Science Services
www.dohmen.com

Emerson Consultants, Inc.
www.emersonconsultants.com

Kalms & Partner Consulting
www.kalmsconsult.com

Marsha Tharakan, Medical/Regulatory Strategy Consultant

Shopp Nonclinical Consulting LLC
www.shoppnonclin.com

Skyland Analytics, Inc.
www.skylandanalytics.net

Regulatory Affairs Associates
www.regaffairs.net

Regulatory and Compliance Resources
www.rcresources.org

Veideland Inc.
www.veideland.com

Contract Research Organizations

Alta Biotech
www.altabiotech.com

CBR International Corporation
www.cbrintl.com

CARE Research LLC/ Colorado Histo-Prep
www.histoprep.com

CPC Clinical Research
www.cpcmed.org

EWI Colorado
www.ewi.org

Microbial Research, Inc.
www.microbialresearch.com

MPI Research
www.mpiresearch.com

MyCROSite LLC
www.mcsp.com

National Jewish Health
Science Transforming Life[®]

Contract Research Services
CAP, CLIA, CAP 15189SM, GLP

njlabs.org
800.550.6227

National Jewish Health / ADX Labs
www.njlabs.org

Plato BioPharma, Inc.
www.platobiopharma.com

Premier Laboratory, LLC
www.premierlab.com

Pre-Clinical Research Services, Inc.
www.preclinicalresearch.com

Pre-Clinical Research Services, Inc.

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| GLP/non-GLP Services | Medical imaging |
| Experimental Surgery | Fluoroscopy |
| Medical devices | Angiography |
| Proof of Concept | Ultrasound/Echo |
| Device V&V Labs | Toxicology |
| Cardiovascular Devices | Pilot/Acute/MTD |
| GI/Ortho/Thoracic | 14 and 28 Day |
| Osteoarthritis | Pharmacokinetics |
| | (PK/PD/TK) |

www.PreClinicalResearch.com

Pyxant Labs, Inc.
www.pyxant.com

Quintiles
www.quintiles.com

Contract Manufacturing/Design Organizations

Design Solutions Inc
www.design-solutions.com

E2i
www.e2i.net

Evergreen Research, Inc.
www.evergreenresearch.com

IPAX Inc.
www.ipaxinc.com

KBI Biopharma, Inc.
www.kbibipharma.com

Marketing Technologies
www.marketingtech.com

Mountainside Medical
www.mountainsidemed.com

NPI/Medical
www.npi-med.com

Prospect Life Sciences
www.prospectlifesciences.com

Samson Design Associates, Inc.
www.samsondesign.com

Vention Medical
www.ventionmedical.com

Distribution, Packaging and Sales Force

Pozzetta Scientific
www.pozzettascientific.com

Royal Paper Box
www.royalpaperbox.com

Technology Consult Berlin GmbH
www.tcberlin.net

Economic Development

Adams County Economic Development, Inc. (ACED)
www.adamscountyed.com

Aurora Economic Development Council
www.auroraedc.com

Boulder Economic Council of the Boulder Chamber
www.bouldereconomiccouncil.org

Broomfield Economic Development Corporation
www.broomfield.org

Colorado Office of Economic Development and International Trade (OEDIT)
www.advancecolorado.com

Colorado Springs Chamber and Economic Development Corporation
www.coloradospringschamberedc.com

Metro Denver Economic Development Corporation
www.metrodenver.org

Town of Parker
www.parkeronline.org

Finance, Investment and Export Services

CoBiz
www.cobizbank.com

Crowe GHP Horwath
www.crowehorwath.net

EKS&H
www.eksh.com

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www.ey.com

High Country Venture LLC
www.highcountryventure.com

KMG Capital Partners, LLC
www.kmgcap.com

Morgenthaler Ventures
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Silicon Valley Bank (SVB Financial Group)
www.svb.com

Incubator

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Innosphere
www.innosphere.org

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Chubb Group of Insurance Companies
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TriNet
www.trinet.com

Legal Services

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Santangelo Law Offices, PC
www.idea-asset.com

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www.swlaw.com

Marketing, Communications, Events/Hotel and Public Relations

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Sprint Press
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Public Policy

Advanced Medical Technology Association (AdvaMed)
www.advamed.org

Biotechnology Industry Organization (BIO)
www.bio.org

PhRMA
www.phrma.org

We Work for Health
www.weworkforhealth.org

Real Estate

CBRE
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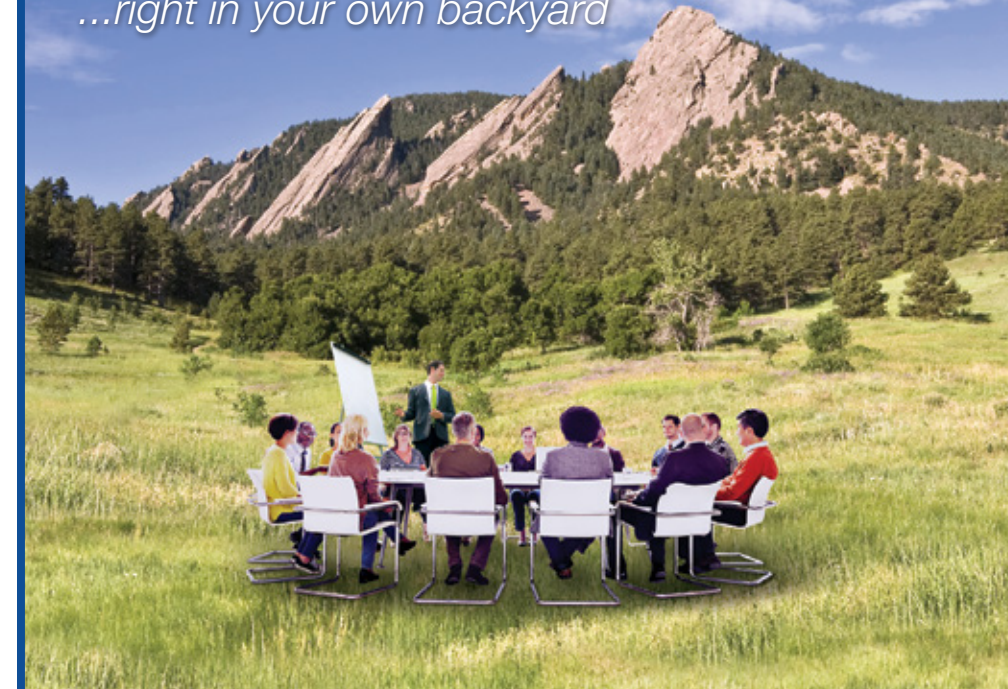
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